

Memorandum

Date: November 27, 2024 (Revised February 21, 2025)

To: Louisa Feletto, Forward Planning Manager, MLC Holdings, Inc.

From: Cecilia So, Associate Director, FirstCarbon Solutions

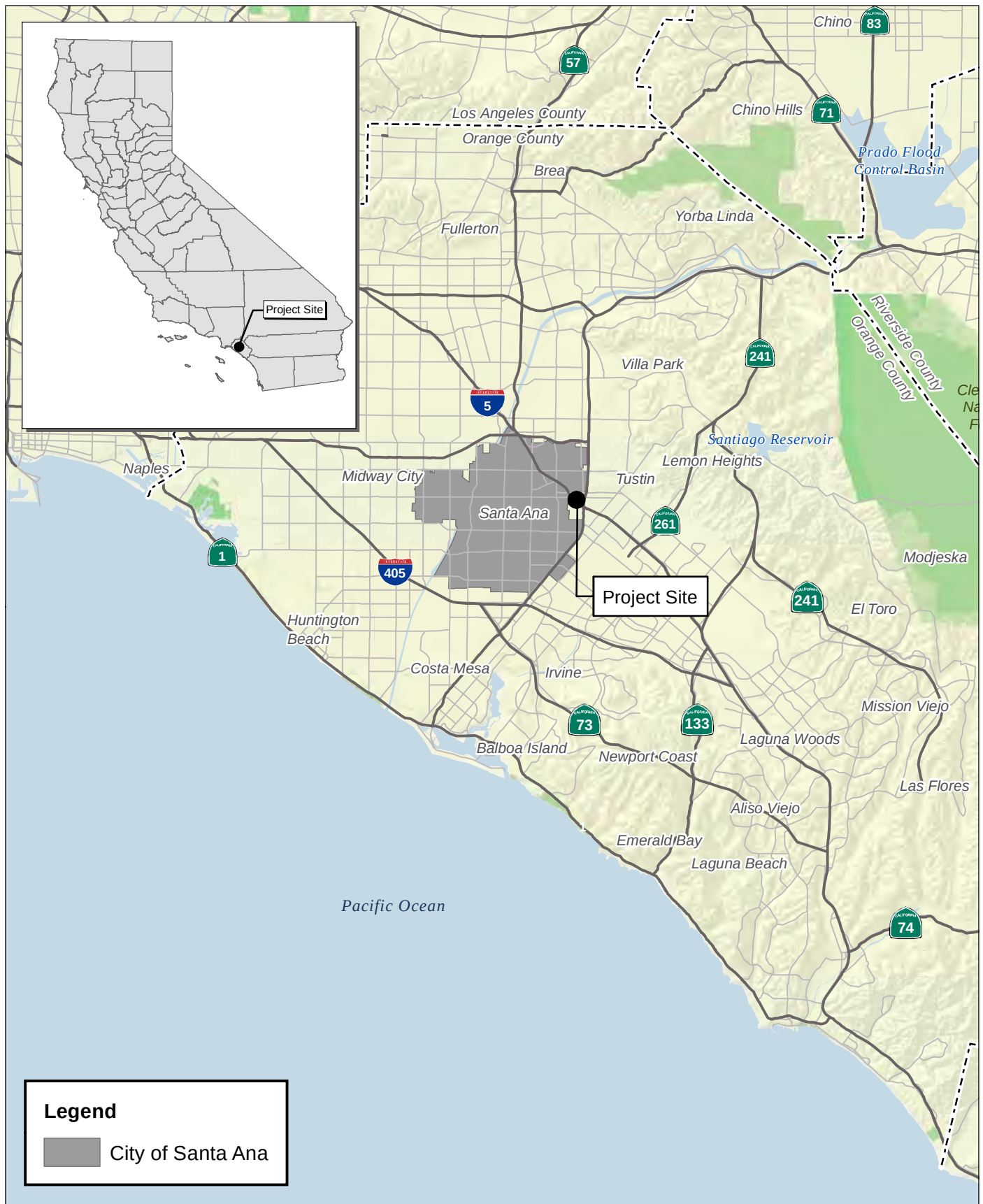
Subject: CEQA Section 15168 Consistency Memorandum for the 2020 East 1st Street Residential Project

INTRODUCTION

MLC Holdings, Inc., has contracted with FirstCarbon Solutions (FCS) to evaluate whether the proposed 2020 East 1st Street Residential Project (proposed project) meets the criteria identified in California Environmental Quality Act (CEQA) Guidelines Section 15168. As evaluated herein, the proposed project would be within the scope of the Metro East Mixed Use (MEMU) Overlay Zone Environmental Impact Report (2007 MEMU EIR), a program environmental analysis which was certified in 2007; and the Metro East Mixed-use Overlay Zone Subsequent Environmental Impact Report (MEMU Expansion SEIR) certified in 2018 (collectively referred to herein as the MEMU EIR) (State Clearinghouse [SCH] No. 2006031041); and is consistent with the criteria listed in CEQA Section 15168.

PROJECT DESCRIPTION

The project site is located at 2020 East 1st Street in the City of Santa Ana (City), in Orange County (County), California (Exhibit 1). The project site consists of one parcel (Assessor's Parcel Number [APN] 402-191-03). The site is bounded by East 1st Street to the north; an apartment complex to the east; a private school sports field and a commercial building to the west; and a private K-8 school to the south within the City of Tustin (Exhibit 2). There is an existing 118,192-square-foot multi-tenant office building on-site that is currently vacant and was last occupied in January 2021. The project site was constructed in 1985 and accommodates 354 parking spaces.



Source: Census 2000 Data, The California Spatial Information Library (CaSIL).



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Exhibit 1 Regional Location Map

CITY OF SANTA ANA
2020 EAST 1ST STREET RESIDENTIAL PROJECT
15168 ENVIRONMENTAL ANALYSIS MEMORANDUM



Source: Bing Aerial Imagery. C&V Consulting, Inc., October 2024.

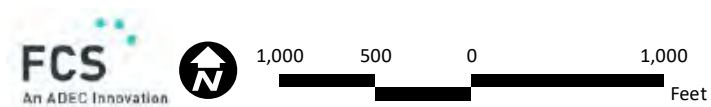


Exhibit 2 Local Vicinity Map

The proposed project consists of demolishing the existing uses on-site for the development of 86 residential units, including 80 3-story attached townhomes plus six 4-story urban duplex homes on approximately 3.72 acres. The townhomes would consist of either 2-bedroom, 3-bedroom, or 4-bedroom units and would range in size from 1,215 square feet to 1,781 square feet. The urban duplex homes would be 2,444 square feet with three bedrooms and would provide shop-front frontage along East 1st Street to create an urban street wall (Exhibit 3).

Access to the site would be accommodated via existing Driveway 1 (right-in/right-out access only) and Driveway 2 (full access) on East 1st Street. A total of 192 parking spaces would be provided. Each residential unit would have a private two-car garage. Additionally, 22 guest parking spaces would be available.

The proposed project would provide a total of 40,240 square feet of open space, which would include 9,767 square feet of publicly accessible open space (5-foot minimum dimension), 17,169 square feet of common open space (10-foot minimum dimension), and 13,304 square feet of private open space (5-foot minimum dimension). Landscaping would include trees, planter pots, and screening hedges (Exhibit 4). The proposed project would also include sidewalks, a shade structure with a barbecue and picnic table, and an 8-foot perimeter wall. The proposed project would require design review. Table 1 includes the development standards that are required and provided by the proposed project.

Table 1: Proposed Project Development Standards

Development Standard	Required	Provided
Parking	172 spaces total	194 spaces total
Total Open Space	39,766 square feet	40,240 square feet
Publicly Accessible Open Space	24,020 square feet (15 percent of lot area)	9,767 square feet
Private/Common Open Space	7,740 square feet (90 square feet per unit)	17,169 square feet
Mixed-use Nonresidential Open Space	8,006 square feet	
Front Setback	0–20 feet	20' to building minimum
Side Setback	0–10 feet	9' to building minimum
Rear Setback	0–10 feet	24' to building minimum
Source: City of Santa Ana. 2006. Metro East Mixed Use Overlay Zone Environmental Impact Report (MEMU EIR).		

GENERAL PLAN AND ZONING

The Santa Ana General Plan (General Plan) designates the site District Center–Medium High (DC-3) (Exhibit 5). The DC-3 designation provides for distinctly urban retail, residential mixed-use, and employment centers that are well connected to public transportation. It includes the City’s primary activity centers and opportunities for new urban-scale development. This designation allows a mix of uses, including medium, medium-high, and urban density condominiums, apartments, and townhomes; professional offices; multilevel corporate offices; retail and commercial services; and cultural, education, recreation, and entertainment uses. The DC-3 designation has a maximum intensity of 3.0 floor area ratio (FAR) and/or 90 dwelling units per acre (du/acre) and a maximum building height of 10 stories.¹

The site is zoned General Commercial (C2) within the MEMU Overlay Zone (OZ1) (Exhibit 6). The C2 zoning district is applied to areas appropriate for general commercial uses, such as retail, restaurants, professional and administrative offices, automotive garages, metal shops, and wholesale establishments.² The MEMU OZ1 Zone allows for the development of mixed-use and residential land uses within the overlay zone (Exhibit 7).³ The C2-OZ1 zoning district is consistent with the DC-3 land use classification of the General Plan.

¹ City of Santa Ana. 2020. Land Use Element, Santa Ana General Plan. Website: https://storage.googleapis.com/proudcity/generalplansantaanaca/uploads/2023/02/Vol03_LandUse_April2022_compressed-2.pdf. Accessed October 1, 2024.

² City of Santa Ana. 2024. Code of Ordinances Division 13. – C2 (General Commercial). Website: https://library.municode.com/ca/santa_ana/codes/code_of_ordinances?nodeId=PTIITHCO_CH41ZO_ARTIIIUSDIRESP_DIV13C2GECO. Accessed October 8, 2024.

³ City of Santa Ana. 2006. Metro East Mixed Use Overlay Zone Environmental Impact Report (MEMU EIR).



Source: Kevin L. Crook Architect, Inc. 10/29/24.



Source: C2 Collaborative, 10/23/24.





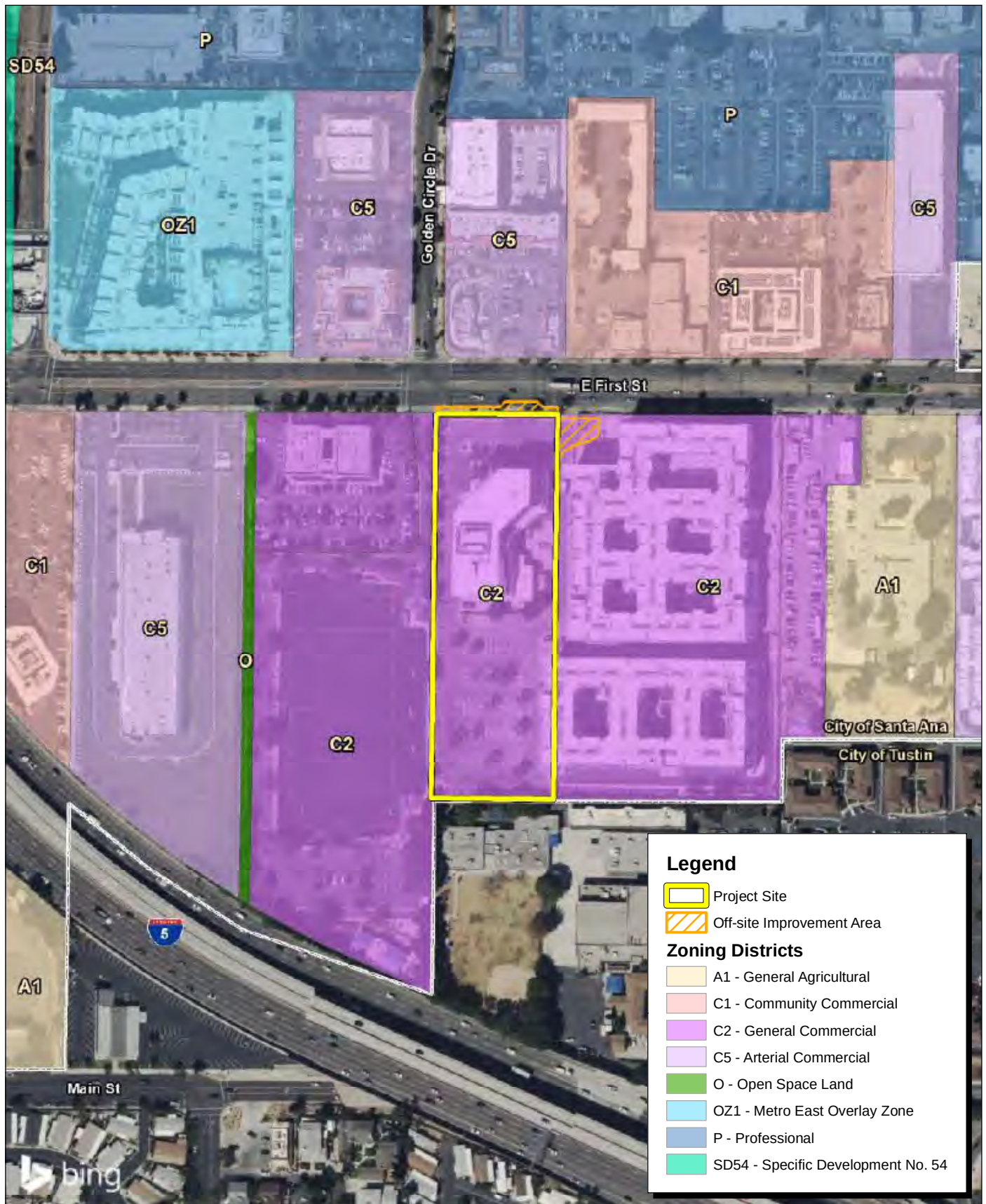
Source: Bing Aerial Imagery. City of Santa Ana. C&V Consulting, Inc., October 2024.



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Exhibit 5 General Plan Land Use Map

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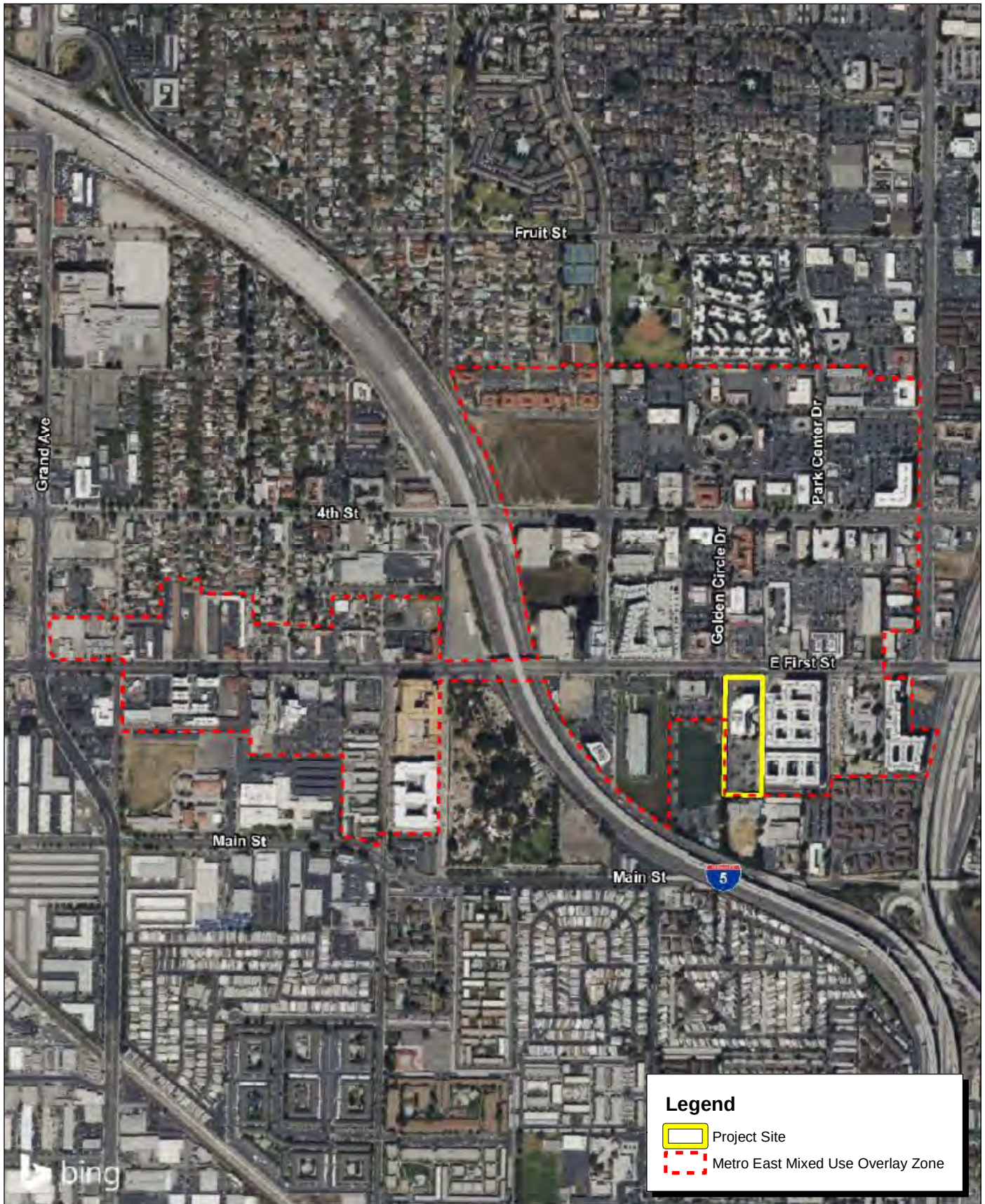
Source: Bing Aerial Imagery. City of Santa Ana. C&V Consulting, Inc., October 2024.



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Exhibit6 Zoning Map

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Source: Bing Aerial Imagery. City of Santa Ana. C&V Consulting, Inc., October 2024.



Exhibit 7 Metro East Mixed Use Overlay Zone

PROJECT DESIGN FEATURES

The following Project Design Features have also been analyzed as being part of the proposed project.

Project Design Feature 1: The proposed project shall be designed as an all-electric development, which requires all appliances that are installed into the proposed homes to be electric powered and no natural gas lines shall be run to the proposed homes.

Project Design Feature 2: The project applicant shall require that all construction activities on the project site are limited to the time limits provided in Section 18-314(e) of the City of Santa Ana Municipal Code, which limits construction activities to between 7:00 a.m. and 8:00 p.m. on weekdays and Saturdays. All construction activities that occur in the southernmost 200 feet of the project site are limited to the more restrictive time limits provided in Section 4617(e) of the City of Tustin Municipal Code that limits construction activities to between 7:00 a.m. and 6:00 p.m. on weekdays and between 9:00 a.m. and 5:00 p.m. on Saturdays.

Project Design Feature 3: Contract specifications in construction documents, which shall be reviewed by the City prior to the issuance of a grading permit, shall require that the following construction Best Management Practices (BMPs) be implemented by contractors to reduce construction noise levels:

- Two weeks prior to the commencement of construction, notification must be provided to surrounding land uses within 1,000 feet of a project site disclosing the construction schedule, including the various types of activities that would be occurring throughout the duration of the construction period.
- Ensure that construction equipment is properly muffled according to industry standards and be in good working condition.
- Place noise-generating construction equipment and locate construction staging areas away from sensitive uses, where feasible.
- Schedule high noise-producing activities between the hours of 8:00 a.m. and 5:00 p.m. to minimize disruption of sensitive uses.
- Implement noise attenuation measures, which may include, but are not limited to, temporary noise barriers or noise blankets around stationary construction noise sources.
- Use electric air compressors and similar power tools rather than diesel equipment where feasible.
- Construction-related equipment, including heavy-duty equipment, motor vehicles, and portable equipment, shall be turned off when not in use for more than 30 minutes.

- Construction hours, allowable workdays, and the phone number of the job superintendent shall be clearly posted at all construction entrances to allow surrounding owners and residents to contact the job superintendent. If the City or the job superintendent receives a complaint, the superintendent shall investigate, take appropriate corrective action, and report the action taken to the reporting party.

Project Design Feature 4: Contract specifications in construction documents, which shall be reviewed by the City prior to the issuance of a grading permit, shall require that construction staging areas along with the operation of earthmoving equipment within the project area be located as far away from vibration and noise-sensitive sites as possible.

Project Design Feature 5: The project applicant shall construct a minimum 3.5-foot-high barrier on all patios and balconies located on the west side of Buildings 1, 2 and 4; all patios and balconies on the south side of Building 2; and all balconies on the second and fourth floor of Buildings 13, 14, and 15. The barriers shall be constructed of materials that provide a surface density of at least 4 pounds per square foot and shall be continuous, without gaps or gates.

Project Design Feature 6: The project applicant shall provide standard dual-paned windows and exterior doors that have a minimum Sound Transmission Class (STC) rating of 26 STC.

CEQA FRAMEWORK FOR SECTION 15168 CONSISTENCY ANALYSIS

Criteria for a Section 15168 Consistency Analysis

CEQA Section 15168 applies when a Program Environmental Impact Report (Program EIR) already adequately describes the activity associated with a proposed project. If a lead agency determines that a proposed project's environmental effects were examined in the Program EIR and that a subsequent EIR would not be required, the agency may approve the activity as being within the scope of the project covered by the Program EIR and no additional environmental documentation is required (CEQA Guidelines § 15168(c)(1)–(2), (c)(5), (e)). In approving projects consistent with the Program EIR, the lead agency must incorporate relevant mitigation measures (CEQA Guidelines § 15168(c)(3)).

Pursuant to Section 15168(c):

Subsequent activities in the Program EIR must be examined in the light of the Program EIR to determine whether an additional environmental document must be prepared.

- (1) If a later activity would have effects that were not examined in the Program EIR, a new Initial Study would need to be prepared leading to either an EIR or a Negative Declaration.

- (2) If the agency finds that, pursuant to Section 15162, no subsequent EIR would be required, the agency can approve the activity as being within the scope of the project covered by the Program EIR and no new environmental document would be required.
- (3) An agency shall incorporate feasible mitigation measures and alternatives developed in the Program EIR into later activities in the program.
- (4) Where the later activities involve site-specific operations, the agency should use a written checklist or similar device to document the evaluation of the site and the activity to determine whether the environmental effects of the operation are within the scope of the Program EIR.
- (5) A Program EIR will be most helpful in dealing with later activities if it provides a description of planned activities that would implement the program and deals with the effects of the program as specifically and comprehensively as possible. With a good and detailed project description and analysis of the program, many later activities could be found to be within the scope of the project described in the Program EIR, and no further environmental documents would be required.

For purposes of this analysis, the relevant Program EIR includes the 2007 MEMU EIR, certified in 2007, as supplemented by the Metro East Mixed-use Overlay Zone Subsequent Environmental Impact Report (MEMU Expansion SEIR) certified in 2018 (collectively referred to herein as the MEMU EIR) (State Clearinghouse [SCH] No. 2006031041).

The 2007 MEMU EIR is a Program EIR that evaluates the environmental impacts of implementation of the zone change. Subsequently, the 2007 MEMU EIR was supplemented by the certified MEMU Expansion SEIR, which evaluated the Metro East Mixed-use Overlay District Expansion and Elan Development Projects. Those projects were approved in 2018, adding an additional 33.52 acres to the overlay zone.

ANALYSIS OF POTENTIAL ENVIRONMENTAL EFFECTS

Consistency with Allowable Land Use

As described above, one factor in determining whether a later activity is within the scope of a Program EIR is consistency of the later activity with the type of allowable land use, overall planned density and building intensity, geographic area analyzed for environmental impacts, and covered infrastructure, as described in the Program EIR.

The MEMU EIR provides a framework for future decisions and actions that affect development within the C2-OZ1 zoning district. Therefore, if a proposed project is consistent with the planned uses and density of the C2-OZ1 zoning district, then the environmental impacts associated with the later activity can be assumed to have been covered in the Program EIR (i.e., the MEMU EIR).

As described above, the site is designated DC-3 by the General Plan, which provides for distinctly urban retail, residential mixed-use, and employment centers that are well connected to public transportation. The site is zoned C2-OZ1, which allows for general commercial land uses and mixed-use and residential land uses in the overlay area. The proposed project would consist of the development of 86 homes, including 80 3-story attached townhomes and six 4-story urban duplex homes on approximately 3.72 acres. The proposed residential uses are allowed by and consistent with the C2-OZ1 zoning district. Therefore, the proposed project is consistent with the applicable General Plan designation and applicable zoning designation, and thus, environmental impacts associated with the proposed uses have already been evaluated within the MEMU EIR.

Incorporation of Program EIR Mitigation Measures

Pursuant to Section 15168(c)(3), an agency shall incorporate feasible mitigation measures and alternatives developed in the Program EIR into later activities in the program. The 2007 MEMU EIR and 2018 MEMU Expansion SEIR Mitigation Monitoring and Reporting Programs are included as Attachment A. Relevant mitigations from the MEMU EIR would be required to be implemented as part of the proposed project.

Substantial Changes or New Information of Substantial Importance

As part of this review, all topical areas analyzed in the MEMU EIR were evaluated for project consistency. The proposed project would be consistent with the assumptions for the project site as presented in the General Plan and the proposed project would not result in any substantial changes or new significant impacts or increase the severity of any significant impacts previously identified in the MEMU EIR, as confirmed in the analysis provided below. In addition, there are no impacts associated with the proposed project that are peculiar to the site and no substantial changes in environmental circumstances that would result in new or more severe significant environmental effects as compared to those that were identified and evaluated in the MEMU EIR. Therefore, no further environmental analysis is required.

Aesthetics

The MEMU EIR made the following determinations for impacts related to Aesthetics for projects within the MEMU OZ1 Zone.

There would be no impacts related to the damage of scenic resources within a State Scenic Highway. Less than significant impacts would occur related to substantial adverse effects on scenic vistas and the degradation of the existing visual character of the project site and its surroundings. Additionally, impacts related light and glare would be less than significant with the implementation of MM-OZ 4.1-1, MM-OZ 4.1-2, and MM-OZ 4.1-3, which would require certain design features and a lighting plan to be prepared for future development. Specifically, MM-OZ 4.1-1 requires the use of textured or other non-reflective exterior surfaces and non-reflective glass; MM-OZ 4.1-2 requires minimal light spillover onto adjacent areas; and MM-OZ 4.1-3 requires landscaping, physical barriers, screening, or other buffers to minimize

project-generated illumination from entering off-site areas and to prevent glare or interference with vehicular traffic. As discussed in the MEMU EIR, the OZ1 Zone would help create a distinctive identity for the City through varying heights and massing of new buildings and a range of architectural styles, which would provide a distinctive skyline with planar changes that would create visual interest in the area, as well as the addition of open space, landscape, and streetscape improvements to create a pedestrian-friendly environment. The MEMU EIR states that each future development project would include appropriate site planning, unique architecture, high-quality building materials, extensive indoor and outdoor amenities, and first-rate public improvements. The MEMU EIR determined that conformance with the MEMU OZ1 development standards would result in new buildings with common architectural design that would be compatible in scale, mass, and density, which would visually enhance the area and provide the City with a distinctive entryway identity.

The proposed project would consist of demolishing the existing 118,192-square-foot multi-tenant office building on-site, which is currently vacant, and the development of 80 multi-family attached townhomes plus six 4-story urban duplex homes. Santa Ana is highly urbanized and therefore views of the City are characterized by an urban landscape. As discussed in the MEMU EIR, scenic resources within the planning area include the 1st Street and 4th Street scenic corridors.⁴ 1st Street and 4th Street are considered scenic corridors that form major City entry points at the edges of the City.⁵ Views of 1st Street and 4th Street are dominated by commercial and office uses. The MEMU EIR determined that development of the proposed project would alter the visual appearance of 1st and 4th Streets but that the implementation of development under the overlay zone would improve views because new development would be designed to enhance the character of the corridor through the addition of open space, landscape, and streetscape improvements, as well as development standards that reinforce an urban character and improve the City's entrance point. The proposed project would not cause an obstruction or significant impacts to public views of the 1st and 4th Street corridors beyond what was analyzed in the MEMU EIR because it would be in conformance with the development standards of the MEMU OZ1 Zone. Furthermore, the height of the proposed project would be consistent with the existing uses on the project site and surrounding area.

Additionally, as previously analyzed in the MEMU EIR, the proposed improvements along 1st Street, such as new landscaping, public sidewalks, and accent paving, which are shown in Exhibit 3, would be consistent with the MEMU OZ1 Zone's goals to visually enhance the area and to create a distinctive entryway identity. Consistent with the MEMU EIR, the proposed project would be four stories in height and would include pedestrian walkways and outdoor amenities, landscaping, open space, and high-quality building materials that would include brick veneer walls, stucco trim, stone veneer wainscoting, and a comprehensive color scheme. The proposed project's height, residential uses, and open spaces are consistent with the MEMU EIR's development standards for the project site, including permitted land

⁴ City of Santa Ana. 2007. City of Santa Ana Metro East Mixed Use (MEMU) Overlay Zone Environmental Impact Report (EIR).

⁵ City of Santa Ana. 2021. General Plan Update Draft Program Environmental Impact Report (PEIR), Chapter 5.1, Aesthetics. October.

uses, setback requirements, and common or private open space requirements (See Table 1). Consistent with MM-OZ 4.1-2 and MM-OZ 4.1-3, the proposed project included a lighting plan (see Exhibit 8), which includes light fixtures that would minimize light spillover. As such, the proposed project would be consistent with the analysis provided in the MEMU EIR.⁶

State Route (SR) 1, approximately 5.6 miles south of the City, is the closest eligible scenic highway to Santa Ana. SR-91 is the closest officially designated scenic highway, approximately 4.8 miles north of the City. There are no California Department of Transportation (Caltrans) Designated Scenic Highways within the City of Santa Ana.⁷ These conditions preclude the potential for substantial damage to scenic resources within view of a State Scenic Highway. As a result, the proposed project would not introduce new or more severe impacts than what was previously analyzed in the MEMU EIR. No additional analysis is required.

As discussed in the MEMU EIR, the City is nearly entirely built-out and developed with a variety of structures. The MEMU EIR determined that infrastructure improvements under the MEMU OZ1 Zone would substantially improve the visual character or quality of the Overlay Zone and would have less than significant impacts. Generally, the MEMU OZ1 Zone is developed with a mix of commercial and office uses ranging from 1 to 16 stories in height. No designated areas of open space as designated by the City's General Plan are currently provided within the MEMU OZ1 Zone. The proposed project would be compatible with surrounding uses and would adhere to the general design principals provided by the MEMU OZ1 Zone, as discussed above, which would encourage connections and linkages to other sites and surrounding community amenities and would facilitate pedestrian activity and visual connectivity with surrounding development through public sidewalks. As such, the proposed project would improve the visual character of the project site and would, therefore, be consistent with the MEMU EIR.

Lighting at the project site would be typical of residential development, including exterior lighting for walkways and roadways and interior lighting, as shown in Exhibit 8. To reduce glare, the proposed project would be required to incorporate MM-OZ 4.1-1, MM-OZ 4.1-2, and MM-OZ 4.1-3 from the MEMU EIR, which requires the implementation of certain design features, such as the use of non-reflective textured surfaces on building exteriors, as well as avoidance of the use of reflective glass, and also requires future development to submit a lighting plan to the City. Consistent with the MEMU EIR, implementation of MM-OZ 4.1-1, MM-OZ 4.1-2, and MM-OZ 4.1-3 would reduce impacts related to glare to a less than significant impact. The MEMU EIR concluded that the MEMU OZ1 Zone would enhance the visual character of the area and all future development would be required to adhere to policies identified in the City's General Plan Elements, as identified in the Regulatory Framework of the MEMU EIR. As such, the proposed project would be consistent with the impacts identified within the MEMU EIR. The proposed project would

⁶ City of Santa Ana. 2007. City of Santa Ana Metro East Mixed Use (MEMU) Overlay Zone Environmental Impact Report (EIR).

⁷ California Department of Transportation (Caltrans). 2024 State Scenic Highway Map. Website: <https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aaca>. Accessed October 25, 2024.

not result in any substantial changes or new significant impacts or increase the severity of any significant impacts that were previously identified in the MEMU EIR.

The MEMU EIR included the following mitigation measures:

- MM-OZ 4.1-1** Proposed new structures shall be designed to maximize the use of textured or other non-reflective exterior surfaces and non-reflective glass.
- MM-OZ 4.1-2** All exterior lighting and advertising (including signage) shall be directed onto the specific location intended for illumination (e.g., parking lots, driveways, and walkways) and shielded away from adjacent properties and public rights-of-way to minimize light spillover onto adjacent areas.
- MM-OZ 4.1-3** Prior to issuance of a Site Development Permit for each specific development project, the applicant shall submit a lighting plan to the City of Santa Ana for review and approval. The plan shall specify the lighting type and placement to ensure that the effects of security and other outdoor lighting are minimized on adjacent uses and do not create spillover effects. The plan shall specifically incorporate the following design features: *f* All projects shall incorporate Project Design Features to shield light and/or glare from vehicles entering or exiting parking lots and structures that face sensitive uses (e.g., schools, hospitals, senior housing, or other residential properties) by providing barriers so that light from vehicle headlights would not illuminate off-site sensitive uses. All projects shall incorporate Project Design Features to provide landscaping, physical barriers, screening, or other buffers to minimize project-generated illumination from entering off-site areas and to prevent glare or interference with vehicular traffic, in accordance with the City's Municipal Code.
- MM-OZ 4.1-4** Prior to issuance of a building permit each project shall be required to perform a shade and shadow analysis that demonstrates that the project will not result in significant impacts according to the following criteria. Shadowing impacts in the Overlay Zone are considered significant when shadows would be cast upon potentially sensitive uses during a substantial portion (greater than 50 percent) of the main daylight hours (9:00 a.m. to 3:00 p.m. during the fall, winter, and spring seasons, and 9:00 a.m. to 5:00 p.m. [daylight savings time] during the summer season). Light sensitive uses are those that depend upon light for their operation (e.g., solar panels) or for which solar access is essential for their function (e.g., swimming pools). Light-sensitive uses also include public parks, residences, and routinely usable outdoor spaces associated with residences.

Agriculture and Forestry

The MEMU EIR concluded that the soils within the Overlay Zone are not candidates for listing as prime farmland, unique farmland, or farmland of Statewide importance. In addition, no farmland or agricultural activity exists on or in the vicinity of Overlay Zone, and no portion of the Overlay Zone is under a Williamson Act Contract. Therefore, the MEMU EIR concluded that no impact would occur with respect to agricultural uses.⁸

According to the California Department of Conservation California Important Farmland Finder, the project site does not contain farmland and is considered Urban and Built-up Land.⁹ In addition, the project site does not include land zoned for agricultural use or land that is under a Williamson Act Contract.¹⁰ Further, the project site does not have any forest land. The project site is currently developed with an existing office building and is surrounded by urbanized land uses. Consistent with the MEMU EIR, the proposed project would have no impacts related to agricultural or forest uses. Therefore, the proposed project would not result in any substantial changes or new significant impacts or increase the severity of any significant impacts that were previously identified in the MEMU EIR.

⁸ City of Santa Ana. 2007. City of Santa Ana Metro East Mixed Use (MEMU) Overlay Zone Environmental Impact Report (EIR).

⁹ California Department of Conservation. 2024. California Important Farmland Finder. Website: <https://maps.conservation.ca.gov/DLRP/CIFF/>. Accessed October 1, 2024.

¹⁰ California Department of Conservation. 2024. California Williamson Act Enrollment Finder. Website: <https://maps.conservation.ca.gov/dlrp/WilliamsonAct/App/index.html>. Accessed October 1, 2024.



Source: C2 Collaborative, 10/23/24.



Air Quality

The following analysis is based, in part, on the air quality analysis contained in the City of Santa Ana–Proposed 2020 East First Street Residential Project Air Quality and Gas Emissions and Energy Consumption Technical Memorandum (dated February 14, 2025), prepared by Vista Environmental (Air Quality [AQ], Greenhouse Gas [GHG], and Energy Technical Memo). In addition, the following analysis references the City of Santa Ana–2020 East First Street Residential Project Diesel Emissions Health Risk Assessment (HRA) (dated February 14, 2025), prepared by Vista Environmental. The full analyses used to determine the potential impacts to air quality resources from the proposed 2020 East 1st Street Residential Project are included as Attachment B.1 and Attachment B.2.

As noted in the Introduction section of this document, the proposed project would be within the scope of the Metro East Mixed Use Overlay Zone EIR, which was certified in 2007, and the Metro East Mixed-use Overlay Zone Subsequent EIR, which was certified in 2018 (collectively referred to herein as the MEMU EIR).

The 2007 MEMU EIR found impacts to air quality resources to be less than significant after implementation of mitigation. The 2018 MEMU Expansion SEIR found that development contemplated under the MEMU Overlay Zone would not expose sensitive receptors to substantial pollutant concentrations. In addition, the 2018 MEMU Expansion SEIR concluded that construction and operation of the MEMU Overlay Zone would not create objectionable odors affecting a substantial number of people with implementation of Mitigation Measure (MM) OZ 4.2-1. However, the 2018 MEMU Expansion SEIR did conclude that construction and operation of the MEMU Overlay Zone would result in the following significant and unavoidable impacts related to air quality:

- Short-term construction impacts resulting from peak daily emissions of volatile organic compounds (VOC) and nitrogen oxides (NO_x).
- Operational impacts resulting from peak daily emissions of particulate matter less than 10 microns in diameter (PM₁₀), carbon monoxide (CO), VOC, and NO_x.
- A cumulatively considerable net increase of criteria pollutants for which the proposed project region is in nonattainment under an applicable federal or State ambient air quality standard resulting from construction and operation.

Where applicable, mitigation measures from the MEMU EIR that would affect air quality are incorporated into the proposed project. These measures include MM-OZ 4.2-2 through MM-OZ 4.2-16 from the 2007 MEMU EIR and MM-AQ-1 through MM-AQ-3 from the 2018 MEMU Expansion SEIR. MM-OZ 4.2-2 through MM-OZ 4.2-16 from the 2007 MEMU EIR were included in the MEMU EIR to reduce emissions of VOC and NO_x from construction activities. Specifically, MM-OZ 4.2-2 through MM-OZ 4.2-7 would primarily reduce NO_x and exhaust particulate matter (PM) from off-site construction equipment. MM-OZ 4.2-8 through MM-OZ 4.2-11 would reduce emissions related to construction vehicle travel, including construction truck trips, and would reduce VOC, NO_x, and PM. M-OZ 4.2-12 aims to reduce the generation of PM₁₀ from all construction activities. M -OZ 4.2-13 minimizes dust generation, which reduces total emissions of PM₁₀ and PM_{2.5}. M-OZ 4.2-14 through MM-OZ 4.2-16 outline stipulations

regarding the use of architectural coating (paint and primer) during construction and would reduce emissions of VOC. MM-AQ-1 through MM-AQ-3 were included in the 2018 MEMU Expansion SEIR were included to further reduce emissions of VOC and NO_x from construction activities. These additional mitigation measures came about since 2007 when the MEMU EIR was prepared and were recommended by South Coast Air Quality Management District (SCAQMD) as feasible mitigation that could be applied to projects.

As previously noted, the AQ, GHG, and Energy Technical Memo included analysis of impacts related to air quality resources from the proposed 2020 East 1st Street Residential Project. The air quality analysis for the proposed project and related significance findings are summarized below.

The AQ, GHG, and Energy Technical Memo assumed that the following Project Design Feature will be incorporated into the proposed project.

Project Design Feature 1: The proposed project shall be designed as an all-electric development, which requires all appliances that are installed into the proposed homes to be electric powered and stipulates that no natural gas lines shall be run to the proposed homes.

The data provided in Table E of the AQ, GHG, and Energy Technical Memo shows that none of the analyzed criteria pollutants would exceed the regional emissions thresholds during either demolition, site preparation, grading, building construction, paving, or architectural coatings phases. Therefore, a less than significant regional air quality impact would occur from construction of the proposed project. Furthermore, the data provided in Table F of the AQ, GHG, and Energy Technical Memo shows that none of the analyzed criteria pollutants would exceed the local emissions thresholds during construction; therefore, a less than significant local air quality impact would occur from construction of the proposed project. In addition, construction of the proposed project would result in a less than significant exposure of sensitive receptors to substantial pollutant concentrations. As such, the proposed project's impacts related to emissions of criteria air pollutants (including precursor emissions) from project construction and impacts related to the proposed project's potential to expose sensitive receptors to substantial pollutant concentrations during project construction would be less than significant.

The data provided in Table G of the AQ, GHG, and Energy Technical Memo demonstrates that none of the criteria pollutants of concern would exceed the regional emissions thresholds during operation of the proposed project. Consequently, a less than significant regional air quality impact would occur from operation of the proposed project. The data provided in Table H of the AQ, GHG, and Energy Technical Memo shows that the ongoing operations of the proposed project would not exceed the local NO_x, CO, PM₁₀ and PM_{2.5} thresholds of significance. As such, the ongoing operations of the proposed project would create a less than significant operations-related impact to local air quality from on-site emissions.

The proposed project would locate homes as near as 330 feet northeast of I-5. The HRA included as Attachment B.2 of this document was prepared to address Policy CN-1.5 from the Santa Ana General Plan Final, April 2022, which is shown below.

Policy CN-1.5 Sensitive Receptor Decisions: Consider potential impacts of stationary and nonstationary emission sources on existing and proposed sensitive uses and opportunities to minimize health and safety risks. Develop and adopt new regulations on the siting of facilities that might significantly increase pollution near sensitive receptors within environmental justice boundaries.

The HRA demonstrated that calculated cancer risks from toxic air contaminants (TAC) emissions at the interior of the proposed homes would be within the SCAQMD thresholds with implementation of Title 24 Part 6 requirements that require each home to install positive static pressure heating, ventilation, and air conditioning (HVAC) systems with Minimum Efficiency Reporting Value (MERV) 13 air filters. Similarly, as detailed in the HRA, the non-cancer chronic health risks to residents at the proposed homes would be within the SCAQMD standards. Therefore, the proposed project's potential to expose sensitive receptors (future receptors at the project site) to substantial pollutant concentrations during project operations would be less than significant.

Similar to the impacts evaluated and disclosed in the MEMU EIR, construction and operation of the proposed project would not create objectionable odors affecting a substantial number of people with implementation of MM-OZ 4.2-1 from the 2007 MEMU EIR. MM-OZ 4.2-1 requires trash receptacles within the MEMU OZ1 Zone to have lids that enable convenient collection and loading and be emptied on a regular basis, in compliance with the City's regulations for solid waste collection.

Considering the information detailed above, the proposed project's impacts related to air quality would be less than significant. Previously identified mitigation from the MEMU EIR required for projects in the overlay would apply to the proposed project and would further reduce the proposed project's potential to result in any significant impacts to air quality resources. As such, the proposed project would not result in any substantial changes or new significant impacts or increase the severity of any significant impacts previously identified in the MEMU EIR.

The MEMU EIR included the following mitigation measures to reduce potential impacts to air quality resources:

MM-OZ 4.2-1 Trash receptacles within the Overlay Zone will be required to have lids that enable convenient collection and loading and will be emptied on a regular basis, in compliance with City of Santa Ana regulations for the collection of solid waste.

MM-OZ 4.2-2 The developer shall require by contract specifications that all diesel-powered equipment used would be retrofitted with after-treatment products (e.g., engine catalysts and other technologies available at the time construction commences) when construction activities commence. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.

- MM-OZ 4.2-3** The developer shall require by contract specifications that all heavy-duty diesel-powered equipment operating and refueling at the project site would use low-NO_x diesel fuel to the extent that it is readily available and cost effective (up to 125 percent of the cost of California Air Resources Board diesel) in the South Coast Air Basin at the time construction activities commence. This requirement shall not apply to diesel-powered trucks traveling to and from the project site. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.
- MM-OZ 4.2-4** The developer shall require by contract specifications that alternative fuel construction equipment (i.e., compressed natural gas, liquid petroleum gas, and unleaded gasoline) would be utilized to the extent feasible in the South Coast Air Basin at the time construction activities commence. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.
- MM-OZ 4.2-5** The developer shall require by contract specifications that construction equipment engines will be maintained in good condition and in proper tune per manufacturer's specification for the duration of construction. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.
- MM-OZ 4.2-6** The developer shall require by contract specifications that construction-related equipment, including heavy-duty equipment, motor vehicles, and portable equipment, shall be turned off when not in use for more than 5 minutes. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.
- MM-OZ 4.2-7** The developer shall require by contract specifications that construction operations rely on the electricity infrastructure surrounding the construction site rather than electrical generators powered by internal combustion engines to the extent feasible. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.
- MM-OZ 4.2-8** The developer shall require by contract specifications that construction parking be configured to minimize traffic interference during the construction period and, therefore, reduce idling of traffic. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.

- MM-OZ 4.2-9** The developer shall require by contract specifications that temporary traffic controls are provided, such as a flagperson, during all phases of construction to maintain smooth traffic flow. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.
- MM-OZ 4.2-1** The developer shall require by contract specifications that construction activities that affect traffic flow on the arterial system be scheduled to off-peak hours (10 a.m. to 4 p.m.). Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.
- MM-OZ 4.2-11** The developer shall require by contract specifications that dedicated on-site and off-site left-turn lanes on truck hauling routes be utilized for movement of construction trucks and equipment on-site and off-site to the extent feasible during construction activities. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana.
- MM-OZ 4.2-12** Upon issuance of building or grading permits, whichever is issued earliest; notification shall be mailed to owners and occupants of all developed land uses within ¼ mile of the Overlay Zone and the individual projects within the Overlay Zone providing a schedule for major construction activities that will occur through the duration of the construction period. In addition, the notification will include the identification and contact number for a community liaison and designated construction manager that would be available on-site to monitor construction activities. The construction manager shall be responsible for complying with all project requirements related to PM₁₀ generation. The construction manager will be located at the on-site construction office during construction hours for the duration of all construction activities. Contract information for the community liaison and construction manager will be located at the construction office, City Hall, the police department, and a sign on-site.
- MM-OZ 4.2-13** As required by South Coast Air Quality Management District Rule 403—Fugitive Dust, all construction activities that are capable of generating fugitive dust are required to implement dust control measures during each phase of project development to reduce the amount of particulate matter entrained in the ambient air. These measures include the following:
- Limiting the amount of area disturbed during site grading to 10 acres per day
 - Application of soil stabilizers to inactive construction areas
 - Quick replacement of ground cover in disturbed areas
 - Watering of exposed surfaces three times daily
 - Watering of all unpaved haul roads three times daily

- Covering all stockpiles with tarp
- Reduction of vehicle speed on unpaved roads
- Post signs on-site, limiting traffic to 15 miles per hour or less
- Sweep streets adjacent to the project site at the end of the day if visible soil material is carried over to adjacent roads
- Cover or have water applied to the exposed surface of all trucks hauling dirt, sand, soil, or other loose materials prior to leaving the site to prevent dust from impacting the surrounding areas
- Install wheel washers where vehicles enter and exit unpaved roads onto paved roads to wash off trucks and any equipment leaving the site each trip.

MM-OZ 4.2-14 The developer shall require by contract specifications that the architectural coating (paint and primer) products used would have a VOC rating of 100 grams per liter or less. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed and approved by the City of Santa Ana Planning and Building Agency staff.

MM-OZ 4.2-15 The developer shall require by contract specifications that materials that do not require painting be used during construction to the extent feasible. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed and approved by the City of Santa Ana Planning and Building Agency staff.

MM-OZ 4.2-16 The developer shall require by contract specifications that pre-painted construction materials be used to the extent feasible. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed and approved by the City of Santa Ana Planning and Building Agency staff.

MM AQ-1 All applicants proposing development of projects within the MEMU Overlay Zone and expansion area shall require their contractors, as a condition of contract, to further reduce construction-related exhaust emissions by ensuring that all off-road equipment greater than 50 horsepower (hp) and operating for more than 20 total hours over the entire duration of construction activities shall operate on an EPA-approved Tier 4 or newer engine. Exemptions can be made for specialized equipment where Tier 4 engines are not commercially available within 200 miles of the MEMEU Overlay Zone and expansion area. The construction contract must identify these pieces of equipment, document their unavailability, and ensure that they operate on no less than an EPA-approved Tier 3 engine

MM AQ-2 All applicants proposing development of projects within the MEMU Overlay Zone and expansion area shall require their contractors, as a condition of contract, to use diesel trucks that have 2010 model year or newer engines. In the event that 2010 model year or newer diesel trucks cannot be obtained, the contractor must provide documentation to the City showing that a good faith effort to locate such engines was conducted. If the lead

agency determines that 2010 model year diesel trucks are not feasible, supported by substantial evidence in the record, then the lead agency shall require the use of trucks that meet EPA 2007 model year NO_x emissions requirements, at a minimum.

MM AQ-3 All applicants proposing development of projects within the MEMU Overlay Zone and expansion area shall require their contractors, as a condition of contract, to reduce construction-related fugitive VOC emissions by ensuring that low-VOC coatings that have a VOC content of 10 grams/liter (g/L) or less are used during construction. The project applicant will submit evidence of the use of low-VOC coatings to SCAQMD prior to the start of construction.

Biological Resources

The MEMU EIR made the following determinations for impacts to biological resources for projects within the MEMU OZ1 Zone.

There would be no impact to endangered, rare, threatened, or special-status plant species (or associated habitats) or wildlife species designated by the United States Fish and Wildlife Service (USFWS), California Department of Fish and Wildlife (CDFW), or California Native Plant Society (CNPS). No impacts to riparian habitat or other sensitive natural communities would occur. There would be no impact on federally protected wetlands, as defined by Section 404 of the Clean Water Act. Development within the MEMU OZ1 Zone would not substantially interfere with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sites, and, therefore, no impacts would occur. The MEMU OZ1 Zone does not conflict with any local policies or ordinances protecting biological resources, and, therefore, no impacts would occur. The projects did not need coverage under the Orange County Natural Communities Conservation Plan/Habitat Conservation Plan (NCCP/HCP) and, therefore, would not conflict with any HCP, NCCP, or other approved local, regional, or State HCP. There is no impact.

The MEMU EIR found that migratory avian species protected under the Migratory Bird Treaty Act (MBTA) may use portions of the MEMU OZ1 Zone for nesting during the breeding season. Consistent with the MEMU EIR, implementation of MM-OZ 4.3-1 (Attachment A) would reduce this potentially significant impact to a less than significant level by ensuring that surveys for MBTA species are performed during the appropriate time of year and, if necessary, construction buffer zones are established to protect nesting MBTA species.

A general biological survey was conducted by an FCS Biologist on October 15, 2024, between approximately 10:30 a.m. to 11:30 a.m. Weather conditions during the field survey were cloudy and overcast, with an average temperature around 65–67°F (degrees Fahrenheit) and wind speeds between 0 and 1 miles per hour (mph). There were trees observed on-site that could be used by native migratory avian species for nesting during the bird breeding season. No other biological resources, such as special-status plant and animal species or their habitat, wetland/riparian habitats, or jurisdictional waters, were observed, which is consistent with the findings of the MEMU EIR.

Overall, based on an examination of the analysis, findings, and conclusions of the MEMU EIR, the potential environmental impacts associated with the proposed project have been fully analyzed in the prior MEMU EIR. The proposed project would not cause new significant impacts not previously identified in the prior MEMU EIR and would not result in a substantial increase in the severity of previously identified significant impacts. No new mitigation measures are necessary to reduce significant impacts. Thus, the evaluation in the prior MEMU EIR fully and adequately addresses the potential impacts to biological resources associated with the proposed project.

In summary, the proposed project would not result in any new significant impacts, nor would it increase the severity of any previously identified impacts or require major revisions of the MEMU EIR, and further review under Section 15168 of the CEQA Guidelines is not required.

The MEMU EIR included the following mitigation measures:

MM-OZ 4.3-1 To ensure that avian species of concern, protected migratory species (e.g., MBTA), or raptors species are not injured or disturbed by construction in the vicinity of nesting habitat, the project applicant shall implement the following measures:

1. When feasible, all tree removal shall occur between August 30 and February 15 to avoid the breeding season of any raptor species that could be using the area, and to discourage hawks from nesting in the vicinity of an upcoming construction area. This period may be modified with the authorization of the DFG; or if it is not feasible to remove trees outside this window then, prior to the beginning of mass grading, including grading for major infrastructure improvements, during the period between February 15 and August 30, all trees within 350 feet of any grading or earthmoving activity shall be surveyed for active raptor nests by a qualified Biologist no more than 30 days prior to disturbance. If active raptor nests are found, and the site is within 350 feet of potential construction activity, a fence shall be erected around the tree(s) at a distance of up to 350 feet, depending on the species, from the edge of the canopy to prevent construction disturbance and intrusions on the nest area. The appropriate buffer shall be determined by the City in consultation with CDFG.
2. No construction vehicles shall be permitted within restricted areas (i.e., raptor protection zones), unless directly related to the management or protection of the legally protected species.
3. In the event that a nest is abandoned, despite efforts to minimize disturbance, and if the nestlings are still alive, the developer shall contact CDFG and, subject to CDFG approval, fund the recovery and hacking (controlled release of captive reared young) of the nestling(s).
4. If a legally protected species nest is located in a tree designated for removal, the removal shall be deferred until after August 30th, or until the adults and young of the year are no longer dependent on the nest site as determined by a qualified Biologist.

Cultural Resources

The MEMU EIR made the following determinations for impacts to cultural resources for projects within the MEMU OZ1 Zone.

Through a record search at the South Central Coastal Information Center (SCCIC), the MEMU EIR determined that the 69 (68 historic built environment resources and one historic period archaeological site) previously recorded cultural resources were identified within 0.5 mile of the expansion area. One of the previously recorded historic built environment resource (P-30-177622/1440 East 1st Street) is within the MEMU EIR expansion area and was formally evaluated in 2015 and found ineligible for listing on the National Register of Historic Places (NRHP), the California Register of Historical Resources (CRHR), and the Santa Ana Register of Historic Properties. In regard to archaeological resources, the MEMU EIR stated that the expansion area is a highly disturbed urbanized landscape. The expansion area contained numerous orange groves prior to World War II; however, it is now entirely developed. No pre-contact cultural resources have been previously recorded within the expansion area or within a 0.5-mile radius of it. The MEMU EIR expansion area appears to have low pre-contact or historic archaeological resource sensitivity; however, it is possible to encounter deeper cultural deposits that may be present below surface sediments. The MEMU EIR also indicated that the documentation from the SCCIC results and Santa Ana Register of Historic Properties determine that no historic built environment resources within the MEMU Overlay Zone expansion area have been listed or determined eligible for listing in the NRHP, the CRHR, or the Santa Ana Register of Historic Properties individually or as contributors to a locally designated historic district. The MEMU OZ1 expansion area does contain buildings that have reached the 50-year age threshold for historical resource consideration, and have also not been evaluated for the NRHP, the CRHR, or the City of Santa Ana Register of Historic Properties. This indicates that the MEMU OZ1 contains properties that have potential to be considered historical resources under CEQA.

The MEMU EIR found that a review of the Sacred Lands File from the Native American Heritage Commission (NAHC) did not identify the presence of Native American cultural resources in the study area. However, outreach to Tribal representatives determined that the MEMU OZ1 expansion area is located in the traditional ancestral territory of the Gabrielino.

The cultural analysis within the MEMU EIR addresses the expansion area as well as the Elan Project. Although the Elan Project is within the MEMU OZ1 the analysis and mitigation measures are specific to that project and are not applicable to the cultural analysis that was prepared by FCS.

FCS conducted a record search at the SCCIC on October 2, 2024, for previously recorded cultural (pre-contact and historic) resources within 0.5-mile of the project site. The results of the record search indicated that no cultural resources are recorded within the project site; however, one historic district is recorded within a 0.5-mile search radius surrounding the project boundary. On October 30, 2024, an FCS Archaeologist conducted a pedestrian survey for unrecorded cultural resources within the project boundary. The entirety of the project site is hardscaped. The perimeter of the project site is enclosed by a parking lot dedicated to the business center (constructed between 1980 and 1985) located at the center of the proposed project. Overview shots of the proposed project area were taken from the northeast, northwest, southeast and southwest corners, which showcase the structure and the surrounding parking

lot. Visibility of the exposed soil was non-existent, since the entirety of the site is hardscaped, thus, inspection of the soil for cultural resources was not possible. Furthermore, outreach to the NAHC, in an effort to determine whether any sacred sites are listed on its Sacred Lands File (SLF) for the project site, did not identify Tribal Cultural Resources (TCRs) within the project area. However, there is always a possibility that ground disturbance could unearth historic resources, prehistoric resources, or human remains, in which case the project applicant would be required to follow all local, State, and federal procedures for inadvertent discovery of cultural resources and human remains. Consistent with MEMU EIR, implementation of MM-OZ 4.4-1 to MM-OZ 4.4-5 would reduce this potentially significant impact to a less than significant level. Therefore, the proposed project would not result in any substantial changes or new significant impacts or increase the severity of any significant impacts previously identified in the MEMU EIR.

The MEMU EIR included the following mitigation measures:

- MM-OZ 4.4-1** The City of Santa Ana shall require as part of the environmental review of development projects within the Overlay Zone that impacts to potentially significant historic resources be considered. If any existing structures on a proposed development site are at or approaching 50+ years of age at the time of CEQA review, the City shall consult with a qualified historian as to the potential significance of the structure and develop mitigation measures as necessary.
- MM-OZ 4.4-2** Due to the lack of cultural resource studies for the project site and in order to avoid damaging any unidentified cultural resources, a qualified archaeologist should be retained to monitor any significant ground-disturbing activities in undeveloped areas within the Overlay Zone, and any deep (10 feet or deeper) ground-disturbing activities in all areas of the Overlay Zone.
- MM-OZ 4.4-3** In the event that archaeological resources are unearthed during project subsurface activities, all earth-disturbing work within a 200-meter radius must be temporarily suspended or redirected until an archaeologist has evaluated the nature and significance of the find. After the find has been appropriately mitigated, work in the area may resume.
- MM-OZ 4.4-4** In the event that paleontological resources are unearthed during subsurface construction activities, all earth-disturbing work within a 100-meter radius of the find must be temporarily suspended or redirected until a Paleontologist has evaluated the nature and significance of the find. After the find has been appropriately mitigated, work in the area may resume.
- MM-OZ 4.4-5** If human remains are unearthed, State Health and Safety Code Section 7050.5 require that no further disturbance shall occur until the County coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner has 24 hours to notify the Native American Heritage Commission (NAHC). The NAHC will then contact the most likely descendant of the deceased Native American, who will then serve as consultant on how to proceed with the remains.

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A qualified Paleontologist shall review the paleontological records search prepared by the Vertebrate Paleontology Section of the Los Angeles County Natural History Museum for the Elan Project. For proposed projects in the MEMU Overlay Zone expansion area, a paleontological records search from the Los Angeles County Natural History Museum shall be required if a proposed project would involve grading or excavation that could disturb older Quaternary sediments with high paleontological resource sensitivity below the uppermost few feet of younger Quaternary surface sediments. For any such project within the MEMU Overlay Zone expansion area, a qualified Paleontologist shall review the paleontological records search. To ensure recovery of fossil remains before they are lost or destroyed, the following additional measures shall be implemented for the Elan Project and for any projects within the MEMU Overlay Zone Expansion Area that have potential to disturb sediments with high paleontological sensitivity below the uppermost few feet of surface sediments:

- All construction activities with potential to disturb sediments below the uppermost few feet of surface sediments shall be monitored by an Orange County-certified professional Paleontologist (qualified Paleontologist).
- A qualified Paleontologist shall attend pre-construction meetings to consult with the grading and excavation contractors concerning excavation schedules, paleontological field techniques, and safety issues. All construction personnel shall receive training provided by a qualified Paleontologist experienced in teaching non-specialists to ensure that they can recognize fossil materials in the event any are discovered during construction.
- A qualified Paleontologist shall conduct on-site paleontological monitoring of all grading and excavation activities with potential to disturb paleontologically sensitive sediments below the uppermost few feet of surface sediments. Monitoring shall include inspection of exposed surfaces and microscopic examination of matrix to determine whether fossils are present. The monitor shall have authority to divert grading away from exposed fossils temporarily in order to recover the fossil specimens. Cooperation and assistance from on-site personnel will greatly assist timely resumption of work in the area of the fossil discovery.
- If fossil remains are discovered during project-related construction, activities in the vicinity of the find shall stop immediately until a qualified professional Paleontologist can assess the nature and importance of the find and a qualified professional Paleontologist can recommend appropriate treatment. Treatment may include preparation and recovery of fossil materials so that they can be housed in an appropriate museum or university collection and may also include preparation of a report for publication describing the finds. The City shall be responsible for ensuring that recommendations regarding treatment and reporting are implemented. The work shall be conducted in conformance with the Orange County guidelines as defined in Eisentraut and Cooper (2002) and meet the requirements for recovery, salvage, laboratory preparation, preparation to the point of taxonomic identification, transferal, and preparation and submittal.

- Fossil remains collected during the monitoring and salvage portion of the program shall be cleaned, repaired, sorted, and cataloged.
- Prepared fossils, along with copies of all pertinent field notes, photos, and maps, shall be deposited (as a donation) in a scientific institution with permanent paleontological collections.

A final data recovery report shall be completed that outlines the results of the monitoring program. This report will include discussions of the methods used, stratigraphic section(s) exposed, fossils collected, and significance of recovered fossils

MM-TCR-1 In the event that a Tribal Cultural Resource is unexpectedly identified during the course of a proposed project, and the City determines that the project may cause a substantial adverse change to a Tribal Cultural Resource, the City will employ one or more of the following standard mitigation measures:

1. Avoidance and preservation of the resource in place, including, but not limited to, planning and construction to avoid the resource and protect the cultural and natural context, or planning greenspace, parks, or other open space, to incorporate the resource with culturally appropriate protection and management criteria.
2. Treating the resource with culturally appropriate dignity, taking into account the Tribal cultural values and meaning of the resource, including, but not limited to, the following:
 - (a) protecting the cultural character and integrity of the resource
 - (b) protecting the traditional use of the resource
 - (c) Protecting the confidentiality of the resource
3. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places protecting the resource.
4. Protecting the resource.

Energy

The following analysis is based, in part, on the energy analysis contained in the City of Santa Ana– Proposed 2020 East First Street Residential Project Air Quality and Greenhouse Gas Emissions and Energy Consumption Technical Memorandum (dated February 14, 2025), prepared by Vista Environmental (AQ, GHG, and Energy Technical Memo). The full analysis used to determine the potential impacts to energy resources from the proposed 2020 East First Street Residential Project is included as Attachment B.1 of this document.

As noted in the Introduction section of this document, the proposed project would be within the scope of the MEMU EIR in terms of the type of allowable land use, overall planned density and building intensity, geographic area analyzed for environmental impacts, and covered infrastructure. The MEMU EIR addressed energy in Section 6 of the 2007 MEMU EIR–Other CEQA. The MEMU EIR concluded that the project would not involve wasteful or unjustifiable use of energy or other resources. In addition, the

MEMU EIR found that new development associated with the project would utilize energy in an efficient manner. MM-OZ 4.13-2 from the MEMU EIR would require energy conservation measures (such as energy-efficient lighting and HVAC equipment) to reduce energy consumption associated with development projects within the project area. The 2018 MEMU Expansion SEIR found that the expanded area would not result in any substantial changes or new significant impacts or increase the severity of any significant impacts identified in the 2007 MEMU EIR.

Compliance with required practices would limit wasteful and unnecessary energy consumption. For example, nonessential idling of construction equipment would be minimized during construction, in accordance with Section 2449 of 13 CCR Article 4.8, Chapter 9. The proposed project would be consistent with applicable portions of the Building Energy Efficiency Standards and CALGreen, which would contribute to reducing the proposed project's energy demands. Additionally, the project design includes pedestrian walkways and outdoor amenities to enhance walkability and promote a sustainable living environment. Furthermore, as noted in the AQ, GHG, and Energy Technical Memo, the following Project Design Feature will be incorporated into the proposed project.

Project Design Feature 1: The proposed project shall be designed as an all-electric development, which requires all appliances that are installed into the proposed homes to be electric powered and stipulates that no natural gas lines shall be run to the proposed homes.

The AQ, GHG, and Energy Technical Memo analyzed impacts from the proposed project's consumption of energy during construction and operations and concluded that the use of energy during project construction or operations would not be wasteful, inefficient, or unnecessary. Further, the analysis demonstrated that the proposed project would not conflict with or obstruct a State or local plan for renewable energy or energy efficiency. Therefore, the proposed project's impacts related to energy would be less than significant and would not result in any substantial changes or new significant impacts or increase the severity of any significant impacts previously identified in the MEMU EIR.

Geology and Soils

The MEMU EIR made the following determinations for impacts to geology and soils for projects within the MEMU OZ1 Zone.

There would be no impacts associated with exposing people or structures to the rupture of a known earthquake fault or landslides. Additionally, there would be no impact related to the capacity of soils to support septic tanks or other alternative wastewater disposal systems. Impacts related to soil erosion would be less than significant. Impacts associated with the exposure of people or structures to potential adverse effects from seismic ground shaking, liquefaction, and unstable soil would be less than significant with the adherence to measures outlined in the California Building Standards Code (CBC) and the implementation of MM-OZ 4.5-1 from the 2007 MEMU EIR, which would further ensure that site-specific construction measures would be implemented to reduce any additional geotechnical hazards, including ground shaking. Impacts related to expansive soils would be less than significant with the implementation of MM-OZ 4.5-2 from the 2007 MEMU EIR, which requires additional expansion tests to determine the expansion potential of the near surface materials that may influence the structural elements of future development.

The MEMU EIR stated that current industry standard geotechnical practices and seismic structural design would be applied in accordance with the CBC. Additionally, the MEMU EIR stated that General Plan policies and objectives would ensure that future individual development projects have a less than significant impact with respect to seismic risks, liquefaction, landslides, settlement, erosion, and other geologic hazards. The proposed project would adhere to such regulations. Consistent with the MEMU EIR, the proposed project would be required to implement MM-OZ 4.5-1 and MM-OZ 4.5-2, which would require site-specific construction measures to reduce any geotechnical hazards and would establish appropriate construction standards that would ensure impact from expansive soils would be less than significant.

The proposed project does not include changes that would alter the existing geological conditions of the project site that were analyzed as part of the MEMU EIR. Consistent with the MEMU EIR, implementation of MM-OZ 4.5-1 and MM-OZ 4.5-2 would ensure that the proposed development would have less than significant impacts related to geology and soils. In accordance with MM-OZ 4.5-1 and MM-OZ 4.5-2, site-specific geotechnical studies were conducted for the proposed project. These studies were prepared by SA Geotechnical, Inc., and include the Geotechnical Due Diligence Study and Preliminary Geotechnical Recommendations (Geotechnical Report) prepared on February 23, 2024, and the Addendum Geotechnical Report prepared on June 12, 2024. These reports are included as Attachment E. As discussed in the Geotechnical Report, development of the proposed project is considered geotechnically feasible provided the recommendations from the Geotechnical Report are implemented during design, grading, and construction. Therefore, with implementation of MM-OZ 4.5-1 and MM-OZ 4.5-2 and implementation of the geotechnical recommendations, impacts related to the proposed project's geology would not result in any substantial changes or new significant impacts or increase the severity of any significant impacts previously identified in the MEMU EIR.

The MEMU EIR included the following mitigation measures:

MM-OZ 4.5-1 During project-specific building design of future development in the Overlay Zone, site-specific geotechnical studies shall be conducted under the direct supervision of a California Registered Engineering Geologist or licensed geotechnical engineer to assess detailed seismic, geological, soil, and groundwater conditions at each construction site and develop recommendations to prevent or abate any identified hazards. The report shall specify foundation recommendations to ensure issues associated with underlying soils are addressed. Construction of the project shall comply with all recommendations in the geotechnical report. The study shall follow applicable recommendations of CDMG Special Publication 117 where applicable and shall include, but not necessarily be limited to

- Determination of the locations of any suspected fault traces and anticipated ground acceleration at the building site
- Potential for displacement caused by seismically induced shaking, liquefaction, differential soil settlement, expansive and compressible soils, or other earth movements or soil constraints
- Evaluation of depth to groundwater

MM-OZ 4.5-2 Developers within the Overlay Zone shall conduct expansion index tests in accordance with UBC Standard 18-2 prior to project construction. The design of structural elements of future projects shall include recommendations set forth by the expansion index tests.

Greenhouse Gas Emissions

The following analysis is based, in part, on the GHG emissions analysis contained in the City of Santa Ana–Proposed 2020 East First Street Residential Project Air Quality and Greenhouse Gas Emissions and Energy Consumption Technical Memorandum (dated February 14, 2025), prepared by Vista Environmental (AQ, GHG, and Energy Technical Memo). The full analysis used to determine the potential impacts related to GHG emissions from the proposed 2020 East 1st Street Residential Project is included as Attachment B.1 of this document.

As noted in the Introduction section of this document, the proposed project would be within the scope¹¹ of the Metro East Mixed Use Overlay Zone EIR, which was certified in 2007; and the Metro East Mixed-use Overlay Zone Subsequent EIR, which was certified in 2018 (collectively referred to herein as the MEMU EIR).

A climate change and GHG emissions analysis was not included in the City of San Ana Metro East Mixed-use Overlay Zone EIR certified in 2007. However, the 2018 MEMU Expansion SEIR included an analysis regarding the environmental impacts potentially resulting from the Metro East Mixed-use Overlay District Expansion. Where applicable, mitigation measures from the MEMU EIR that would affect GHG emissions are incorporated into the proposed project. These measures are listed at the bottom of this section and include MM-OZ 4.2-2 through MM-OZ 4.2-16 from the 2007 MEMU EIR and MM GHG-1 through MM GHG-6 and MM AQ-2 from the 2018 MEMU Expansion SEIR.

The 2018 MEMU Expansion SEIR found that GHG emissions generated by buildout of the MEMU Overlay Zone would be significant and unavoidable. The 2018 MEMU Expansion SEIR found that after implementation of MM GHG-1 through MM GHG-6, development contemplated under the Metro East Mixed-use Overlay Zone would comply with applicable planning documents whose policies and measures aim to reduce impacts related to GHG emissions. Therefore, impacts regarding the MEMU OZ1 Zone's potential to conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing emissions of GHGs was found to be less than significant after incorporation of mitigation.

As previously noted, the AQ, GHG, and Energy Technical Memo included an evaluation of impacts related to GHG emissions from the proposed 2020 East 1st Street Residential Project. The GHG analysis for the proposed project and related significance findings are summarized below.

The AQ, GHG, and Energy Technical Memo assumed that the following Project Design Feature will be incorporated into the proposed project.

¹¹ As noted in the in the Introduction section of this document, the proposed project would be within the scope of the MEMU EIR in terms of the type of allowable land use, overall planned density and building intensity, geographic area analyzed for environmental impacts, and covered infrastructure.

Project Design Feature 1: The proposed project shall be designed as an all-electric development, which requires all appliances that are installed into the proposed homes to be electric powered and no natural gas lines shall be run to the proposed homes.

The data provided in Table I of the AQ, GHG, and Energy Technical Memo establishes that the proposed project is expected to generate approximately 883 metric tons carbon dioxide equivalent (MT CO₂e) per year. According to the applicable SCAQMD threshold of significance, a cumulative global climate change impact would occur if the GHG emissions from a development project would exceed 3,000 MT CO₂e per year. Therefore, a less than significant generation of GHG emissions would occur from development of the proposed project; associated impacts would be less than significant.

The AQ, GHG, and Energy Technical Memo includes an evaluation that demonstrates that the proposed project would not conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. The applicable plan for the proposed project is California Air Resources Board's (ARB's) 2022 Scoping Plan. The 2022 Scoping Plan identifies additional GHG reduction actions and strategies necessary to achieve Assembly Bill (AB) 1279 target of 85 percent below 1990 levels by 2045. These actions and strategies build upon those identified in the first update to the Scoping Plan (2013) and in the second update to the Scoping Plan (2017). Examples of these actions and strategies include a goal to phase out oil and gas extraction operations by 2025 and planning for all-electric appliances beginning in 2026 for new residential development and by 2029 for new commercial development. Although a number of the measures highlighted in the 2022 Scoping Plan are currently established as Statewide regulations, some measures have not yet been formally proposed or adopted. It is expected that these measures or similar actions to reduce GHG emissions will be adopted as required to achieve Statewide GHG emissions targets. The AQ, GHG, and Energy Technical Memo includes an evaluation that demonstrates that the proposed project would, at a minimum, be consistent with relevant reduction actions/strategies outlined in ARB's 2022 Scoping Plan. The measures that would apply to the proposed project are listed below.

Table 2: Applicable Measures from ARB's 2022 Scoping Plan

AB 32 GHG Inventory Sector and Scoping Plan Action	Project Consistency
GHG Emissions Reductions Relative to the SB 32 Target	
40 percent below 1990 levels by 2030.	No Conflict. As shown in Table I of the AQ, GHG, and Energy Technical Memo, almost all of the GHG emissions generated by the proposed project would be from generation of electricity. SB 1020 requires that by end of 2035, 90 percent of electricity and by end of 2045 that 100 percent of electricity is generated from renewable and zero-carbon resources. As such, the proposed project would not conflict with this strategy.

AB 32 GHG Inventory Sector and Scoping Plan Action	Project Consistency
Smart Growth/Vehicle Miles Traveled (VMT)	
VMT per capita reduced 25 percent below 2019 levels by 2030 and 22 percent below 2019 levels by 2045.	No Conflict. As detailed in the Traffic Analysis, development of the proposed project would result in a net change of -740 daily trips. As such, the proposed project would not conflict with this strategy.
Electricity Generation	
Electric sector GHG target of 38 MMT CO ₂ e in 2030 and 31 MMT CO ₂ e in 2045. Retail sales load coverage	No Conflict. SB 1020 requires that 100 percent of retail sales of electricity be generated by renewable or zero-carbon source of electricity by December 1, 2045. As such, the proposed project would not conflict with this strategy.
New Residential and Commercial Buildings	
All electric appliances beginning 2026 (residential) and 2029 (commercial).	No Conflict. Per PDF-1, the proposed project would be an all-electric development and would not include any natural gas hookups.
Existing Residential Buildings	
80 percent of appliance sales are electric by 2030 and 100 percent of appliance sales are electric by 2035. Appliances are replaced at end of life.	Not Applicable. The proposed project would not include the operations of any existing residential buildings. The proposed project would replace existing structures with new residential buildings.
Construction Equipment	
25 percent of energy demand electrified by 2030 and 75 percent electrified by 2045.	No Conflict. Executive Order N-79-20 requires all off-road vehicles and equipment to transition to 100 percent zero-emission equipment, where feasible, by 2035. All construction equipment fleets utilized during construction of the proposed project are required to be registered with ARB and meet ARB's current emission reductions regulations, which are anticipated to be updated to meet Executive Order N-79-20 requirements. As such, the proposed project would not conflict with this strategy.
Notes: AB = Assembly Bill ARB = California Air Resources Board AQ = Air Quality GHG = greenhouse gas MMT CO₂e = million metric tons of carbon dioxide equivalent SB = Senate Bill Sources: California Air Resources Board (ARB). 2022. 2022 Scoping Plan for Achieving Carbon Neutrality. AQ, GHG, and Energy Technical Memo included as Attachment B.1 of this document.	

As detailed in the AQ, GHG, and Energy Technical Memo, the applicable GHG reduction plan for the proposed project is ARB's 2022 Scoping Plan. As such, the proposed project would not conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing GHG emissions.

Considering the information summarized above and detailed in Attachment B.1, the proposed project's impacts related to GHG emissions would be less than significant and would not result in any substantial changes or new significant impacts or increase the severity of any significant impacts previously identified in the MEMU EIR. Previously identified mitigation from the MEMU EIR would apply to the proposed project and would further reduce the proposed project's potential to result in any significant impacts related to GHG emissions.

The MEMU EIR included the following mitigation measures:

MM GHG-1 The following improvements should be implemented to encourage cycling within the planning area:

- Projects should be within at least 0.5 mile of an existing/planned Class I or Class II bike lane and include a network that provides connection to existing off-site facilities. Bicycle routes should also connect to all streets contiguous with the project site; the route should have minimum conflicts with automobile parking and circulation facilities. All streets internal to the project wider than 75 feet should have Class II bicycle lanes on both sides.
- Bike parking should be provided at nonresidential projects (one bike rack space per 20 vehicle/employee parking spaces) and multi-unit residential projects (one long-term bicycle parking space for each unit without a garage). Long-term facilities should be provided at multi-unit residential developments and consist of a bicycle locker, locked room with standard racks, or a standard rack location that is staffed or monitored.
- Nonresidential projects should provide "end-of-trip" facilities, including showers, lockers, and changing spaces.
- Bike-share infrastructure installation.

MM GHG-2 The following improvements will be implemented, when feasible, to achieve more energy-efficient operations within the planning area:

- Projects should exceed Title 24 requirements by at least 20 percent.
- Projects will, to the extent feasible, incorporate on-site renewable energy systems, including solar, wind, geothermal, low-impact hydro, and biomass and bio-gas strategies.
- Projects will incorporate water and energy saving measures into the project design, including, but not limited to, the following:
 - Installation of low-water-use appliances,
 - Use of only natural gas or electric stoves,
 - Installation of EnergyStar-labeled roof materials,

- Installation of highly reflective cool roofing materials,
- Installation of electrical outlets at exterior areas,
- Use of energy-efficient appliances (e.g., EnergyStar),
- Installation of shading mechanisms for windows, patios, and walkways, and
- Installation of programmable thermostats.
- Projects will “weatherize” any existing structures to achieve energy savings. Weatherization strategies can include sealing air ducts, insulating, glazing windows, and tuning up or replacing air conditioning and heating equipment.

MM GHG-3 Where feasible, SCE-owned streetlights within the planning area will be purchased by the City, and the high-pressure sodium fixtures will be replaced with LED fixtures. Those streetlights within the planning area that are currently owned by the City will also be replaced with LED fixtures

MM GHG-4 Where feasible and applicable, projects within the planning area will incorporate rain barrels and rainwater reuse practices into project design

MM GHG-5 The following measures should be implemented to reduce water use and electricity associated with water-intensive plants:

- Drought-resistant native plants, as well as plants with low emissions and high carbon sequestration potential, should substitute landscaping with turf grass and other water-intensive vegetation.
- Vegetable gardens, bunch grass, and low-water landscaping should be encouraged for development within the planning area.

MM GHG-6 The following measures would be implemented by future development projects in the MEMU Overlay Zone to the extent practicable to improve pedestrian safety and encourage walking to and from the project area:

- Projects shall provide a pedestrian access network that links all internal uses to all existing/planned external streets and pedestrian facilities contiguous with the project site, where applicable. The route connecting internal and external networks should have minimal conflict with parking and circulation facilities.
- All internal and adjacent sidewalks associated with a project should be a minimum of 5 feet wide, with vertical curbs, where applicable.
- Where feasible, pedestrian barriers should be minimized using grade separation, wider sidewalks, and traffic calming. In addition, physical barriers such as walls, landscaping, and slopes between facilities that impede pedestrian movement should be avoided.

Hazards and Hazardous Materials

The MEMU EIR made the following determinations for impacts to hazards and hazardous materials for projects within the MEMU OZ1 Zone.

There would be no impact related to safety hazards for people residing or working near a private airstrip and related to the exposure of a significant loss, injury, or death involving wildfires. Impacts related to the emissions of hazardous materials within 0.25 mile of an existing school would be less than significant. There would not be a significant hazard to the public or environment as a result of being located on a site included in the California Department of Toxic Substance Control (DTSC) Hazardous Waste and Substances Sites list (known as the "Cortese List") pursuant to Government Code Section 65962.5.

The MEMU EIR determined that there was a potential for release of hazardous materials from demolition of existing structures within the Overlay Zone and that grading and excavation of sites for future development may also expose construction workers and the public to potentially unknown hazardous substances present in the soil or groundwater. Additionally, exposure to contaminants could occur if the contaminants migrated from the contaminated zone to surrounding areas either before or after the surrounding areas were developed, or if contaminated zones were disturbed by future development at the contaminated location. Furthermore, the MEMU EIR determined that existing sites that may potentially be contaminated could expose construction workers and the public to potential hazards. The MEMU EIR stated that any new development occurring on documented hazardous materials sites would have to be preceded by remediation and cleanup under the supervision of the DTSC before construction activities could begin.

Additionally, the 2007 MEMU EIR included the following mitigation measures:

MM-OZ 4.6-1 would require an HRA for diesel emissions as part of the development under the Overlay Zone and within 500 feet of an existing freeway.

MM-OZ 4.6-2 and

MM-OZ 4.6-3 would ensure investigation and remediation of contamination takes place. They also include the preparation of a Risk Management Plan that includes the identification of risks associated with contaminants along with measures to protect workers and the public.

MM-OZ 4.6-5 through

MM-OZ 4.6-7 include the preparation of a traffic control plan and consultation with the police and fire department to discuss temporary closure and alternative travel routes. These measures also call for the fire department to update the Emergency Preparedness Plan.

With the implementation of MM-OZ 4.6-1, MM-OZ 4.6-2, and MM-OZ 4.6-3, impacts related to the routine transport, use, or disposal of hazardous materials, risk of foreseeable upset and accident conditions involving the release of hazardous materials, and hazards created from sites complied pursuant to Government Code Section 65962.5 would be less than significant. MM-OZ 4.6-4 would ensure impacts related to safety hazards for people residing or working near a public airport. Additionally, MM-OZ 4.6-5, MM-OZ 4.6-6, and MM-OZ 4.6-7 would ensure impacts related to the impairment of an emergency response plan or emergency evacuation plan would be less than significant.

The proposed project would develop 80 multi-family-attached townhomes and six urban duplex homes and would not result in the consistent transport, use, or disposal of hazardous materials outside of project

construction, for which all local, State and federal regulations would apply. As indicated by the DTSC EnviroStor website, the project site is not included on a list of hazardous sites.¹² As indicated by the California State Water Resources Control Board (State Water Board) GeoTracker website, the project site is not included on a list of open active Leaking Underground Storage Tank (LUST) sites, sites identified with waste constituents above hazardous waste levels, or sites with “active” Cease and Desist or Cleanup and Abatement Orders.¹³ Therefore, consistent with the MEMU EIR, the proposed project would not result in a significant hazard to the public or environment as a result of being located on a site listed in the “Cortese List” pursuant to Government Code Section 65962.5.

In accordance with MM-OZ 4.6-1, the City of Santa Ana–2020 East First Street Residential Project Diesel Emissions Health Risk Assessment (HRA) (dated February 14, 2025) was prepared for the proposed project by Vista Environmental and is included as Attachment B. As discussed previously under Air Quality, the HRA determined that the proposed project would not exceed SCAQMD thresholds. In accordance with MM-OZ-4.6-2 and MM-OZ-4.6-3, a Phase I Environmental Site Assessment (Phase I ESA) was prepared for the proposed project by Hillman Consulting on February 29, 2024, and is included as Attachment E. According to the Phase I ESA, Recognized Environmental Conditions (RECs) on the project site include the historical presence of a dry cleaner on the northern adjoining property due to the potential for undocumented spills or releases. Accordingly, Hillman Consulting recommended the preparation of a Phase II ESA.

A Limited Phase II Subsurface Investigation (Phase II ESA) was prepared by Hillman Consulting, Inc., on October 18, 2024. The Phase II ESA included soil gas sampling in targeted locations along the property line nearest to the dry cleaner’s site. According to the findings, there were no detectable concentrations of soil contaminants associated with the dry cleaner’s site. Therefore, mitigation related to soil contamination is not required. The proposed project would be required to implement MM-OZ 4.6-5 and MM-OZ 4.6-6 from the MEMU EIR during construction of the proposed project, which would require street closures to not affect emergency access. Therefore, the proposed project would not result in any substantial changes or new significant impacts or increase the severity of any significant impacts previously identified in the MEMU EIR.

The MEMU EIR included the following mitigation measures:

¹² California Department of Toxic Substances Control (DTSC). EnviroStor. Hazardous Waste and Substances Site List (Cortese). Website:

https://www.envirostor.dtsc.ca.gov/public/search.asp?page=1&cmd=search&business_name=&main_street_name=&city=&zip=&county=&status=ACT%2CBKLG%2CCOM&branch=&site_type=CSITES%2CFUDS&npl=&funding=&reporttitle=HAZARDOUS+WASTE+AND+SUBSTANCES+SITE+LIST+%28CORTESE%29&reporttype=CORTESE&federal_superfund=&state_response=&voluntary_cleanup=&school_cleanup=&operating=&post_closure=&non_operating=&corrective_action=&tiered_permit=&evaluation=&spec_prog=&national_priority_list=&senate=&congress=&assembly=&critical_pol=&business_type=&case_type=&searchtype=&hwmp_site_type=&cleanup_type=&ocierp=&hwmp=False&permitted=&pc_permitted=&inspections=&inspectionsother=&complaints=&censustract=&cesdecile=&school_district=&orderby=upper%28business%5Fname%29. Accessed October 23, 2024.

¹³ California State Water Resources Control Board (State Water Board). 2024. GeoTracker. Website: <https://geotracker.waterboards.ca.gov/>. Accessed October 23, 2024.

- MM-OZ 4.6-1** For future residential uses that are developed under the Overlay Zone within 500 feet of an existing freeway, a Health Risk Assessment (HRA) for diesel exhaust shall be prepared. Recommendations contained within the HRA shall be implemented in project design.
- MM-OZ 4.6-2** Prior to the issuance of grading permits on any project site, the site developer(s) shall: *f* Investigate the project site to determine whether it or immediately adjacent areas have a record of hazardous material contamination via the preparation of a preliminary Environmental Site Assessment (ESA), which shall be submitted to the City for review. If contamination is found the report shall characterize the site according to the nature and extent of contamination that is present before development activities precede at that site. *f* If contamination is determined to be on-site, the City, in accordance with appropriate regulatory agencies, shall determine the need for further investigation and/or remediation of the soils conditions on the contaminated site. If further investigation or remediation is required, it shall be the responsibility of the site developer(s) to complete such investigation and/or remediation prior to construction of the project. *f* If remediation is required as identified by the local oversight agency, it shall be accomplished in a manner that reduces risk to below applicable standards and shall be completed prior to issuance of any occupancy permits.
- MM-OZ 4.6-3** In the event that previously unknown or unidentified soil and/or groundwater contamination that could present a threat to human health or the environment is encountered during construction of the proposed project, construction activities in the immediate vicinity of the contamination shall cease immediately. If contamination is encountered, a Risk Management Plan shall be prepared and implemented that (1) identifies the contaminants of concern and the potential risk each contaminant would pose to human health and the environment during construction and post-development and (2) describes measures to be taken to protect workers, and the public from exposure to potential site hazards. Such measures could include a range of options, including, but not limited to, physical site controls during construction, remediation, long-term monitoring, post-development maintenance or access limitations, or some combination thereof. Depending on the nature of contamination, if any, appropriate agencies shall be notified (e.g., City of Santa Ana Fire Department). If needed, a Site Health and Safety Plan that meets Occupational Safety and Health Administration requirements shall be prepared and in place prior to commencement of work in any contaminated area.
- MM-OZ 4.6-4** For development of structures that exceed 200 feet in height above ground level at a development site, Applicants shall file a Notice of Proposed Construction or Alteration with the FAA (FAA Form 7460-1). Following the FAA's Aeronautical Study of the project, projects must comply with conditions of approval imposed or recommended by the FAA. Subsequent to the FAA findings, the City shall refer the project to the Airport Land Use Commission (ALUC) for Orange County for consistency analysis.

- MM-OZ 4.6-5** Prior to initiation of construction activities, any development within the Overlay Zone shall have a completed traffic control plan, prepared by the developer that will be implemented during construction activities. This may include, but is not limited to, the maintenance of at least one unobstructed lane in both directions on surrounding roadways. At any time only a single lane is available, the developer shall provide a temporary traffic signal, signal carriers (i.e., flagpersons), or other appropriate traffic controls to allow travel in both directions. If construction activities require the complete closure of a roadway segment, the developer shall provide appropriate signage indicating alternative routes.
- MM-OZ 4.6-6** The City Planning Department shall consult with the Santa Ana Police Department and the Santa Ana Fire Department to disclose temporary closures and alternative travel routes in order to ensure adequate access for emergency vehicles when construction of future projects would result in temporary land or roadway closures.
- MM-OZ 4.6-7** The Santa Ana Fire Department, in consultation with other applicable City Departments (e.g., Police), shall update their Emergency Preparedness Plan prior to occupancy of the first project developed under the Overlay Zone, to address potential for accidental release of hazardous materials that may be used, stored, and/or transported in association with operation of project implementation.

Hydrology and Water Quality

The MEMU EIR made the following determinations for impacts to hydrology and water quality for projects within the MEMU OZ1 Zone.

There would be no impacts related to placing housing within a 100-year flood hazard area. The proposed project would not place within a 100-year flood hazard area structures, which would impede or redirect flood flows, or expose people or structures to a significant risk of loss, injury, or death involving flooding, or inundation by a seiche, tsunami, or mudflow. Impacts related to the degradation of water quality would be less than significant. Impacts related to groundwater recharge and groundwater supplies would be less than significant.

The proposed project would not violate water quality standards, waste discharge, or otherwise substantially degrade water quality with implementation of MM-OZ 4.7-1. Additionally, the proposed project would not alter the existing drainage pattern of the area and potentially result in erosion and siltation with implementation of MM-OZ 4.7-1. The proposed project would not substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on- or off-site. Additionally, the proposed project would not create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff. With implementation of MM-OZ 4.7-1 and MM-OZ 4.7-2, impacts would be less than significant.

The project site is located in a FEMA Area of Undetermined Flood Hazard.¹⁴ In addition, as shown in the Public Safety Element of the City of Santa Ana General Plan, the MEMU OZ1 Zone is not within the 100-year or 500-year flood hazard area. Thus, implementation of the proposed project would not place housing within a flood hazard area, and there would be no impact related to housing within a 100-year flood hazard or related to the exposure of people or structures to a significant risk of loss, injury, or death involving flooding.

As discussed in the MEMU EIR, the proposed project would not expose people to a significant risk of loss, injury, or death involving inundation by a seiche, tsunami, or mudflow because the project site is not located near a coastal area, large water body, or unstable and exposed hills or slopes. The proposed project would not introduce any changes that could expose people to a significant risk of seiche, tsunami, or mudflow beyond those analyzed in the MEMU EIR. Therefore, the proposed project would have no impact to the exposure people or structures to a significant risk of loss, injury, or death involving inundation by a seiche, tsunami, or mudflow.

The proposed project would convert 118,192-square-foot multi-tenant office building on-site that is currently vacant into 80 multi-family-attached townhomes plus 6 urban duplex homes. According to the Water Quality Management Plan (WQMP), the proposed improvements would decrease the amount of impervious surfaces as compared to the existing conditions and therefore would not exceed the impacts analyzed in the MEMU EIR. Consistent with the MEMU EIR, construction of the proposed project could result in ground disturbance, alteration of the existing drainage patterns, and erosion and siltation. However, as discussed in the MEMU EIR, the proposed project would comply with federal, State, and local standards, including those identified in the Orange County Drainage Area Plan and the Santa Ana River Basin Plan, which address stormwater and flood water control, preservation of water quality, and minimization of erosion. Furthermore, the proposed project would implement erosion and sediment control and waste and hazardous materials management BMPs and would comply with the City's Water Pollution Ordinance, National Pollutant Discharge Elimination System (NPDES) regulations, and the City's Municipal Code. Therefore, potential impacts would be within the scope of those analyzed in the MEMU EIR.

As outlined in the MEMU EIR, the proposed project would be required to implement MM-OZ 4.7-1, which would require the preparation of a Storm Water Pollution Prevention Plan (SWPPP) and a WQMP, which would reduce the risk of water degradation to the maximum extent practicable and would reduce the volume of sediment-laden runoff discharging from the project site. Additionally, MM-OZ 4.7-1 would require the applicant to submit a Hydrology and Hydraulic Study to the Public Works Department for review and approval, which would ensure that runoff would not exceed the capacity of storm drain systems and would reduce impacts to a less than significant level.

In accordance with MM-OZ 4.7-1, a Preliminary WQMP and a Preliminary Hydrology Study were prepared by C&V Consulting in June 2024 and are included in Attachment F. As discussed in the Preliminary WQMP and the Preliminary Hydrology Study, the proposed project would increase the

¹⁴ Federal Emergency Management Agency (FEMA). 2024. FEMA Flood Map Service Center :Search By Address. Website: [https:// hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d4879338b5529aa9cd&extent=-117.84012816745688,33.74318838938978,-117.83493541080405,33.74541871282215](https://hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d4879338b5529aa9cd&extent=-117.84012816745688,33.74318838938978,-117.83493541080405,33.74541871282215). Accessed October 23, 2024.

amount of pervious surfaces compared to existing conditions and would add infiltration BMPs and on-site detention systems. Stormwater would be collected and conveyed by a series of area drains, curb opening catch basins, and drop inlets via surface flow into an on-site infiltration system, which would ensure the proposed project would not result in new or more severe impacts than what was analyzed in the MEMU EIR. The Preliminary Hydrology Study determined that runoff for the proposed conditions will decrease compared to existing conditions, but peak flow will increase. Increased peak flow rates and volume would be regulated by on-site detention pipes and drywell systems. The results from the hydrology study demonstrate that the proposed stormwater peak flow rates from the project site would be accommodated by the proposed storm drain system and match the historic drainage patterns. Therefore, impacts would be consistent with the MEMU EIR and would not exceed the impacts analyzed in the MEMU EIR.

Consistent with the MEMU EIR, with implementation of MM-OZ 4.7-1 and MM-OZ 4.7-2, impacts related to hydrology and water quality would not result in any substantial changes or new significant impacts or increase the severity of any significant impacts previously identified in the MEMU EIR.

The MEMU EIR included the following mitigation measures:

MM-OZ 4.7-1 In order to comply with the 2003 DAMP [Drainage Area Management Plan], future development projects in the Overlay Zone shall prepare Storm Drain Plans, Storm Water Pollution Prevention Plans (SWPPP), and Water Quality Management Plans (WQMP) conforming to the current National Pollution Discharge Elimination System (NPDES) requirements, prepared by a Licensed Civil Engineer or Environmental Engineer, shall be submitted to the Department of Public Works for review and approval.

- A SWPPP shall be prepared and updated as needed during the course of construction to satisfy the requirements of each phase of the development. The plan shall incorporate all necessary Best Management Practices (BMPs) and other City requirements to eliminate polluted runoff until all construction work for the project is completed. The SWPPP shall include treatment and disposal of all dewatering operation flows and for nuisance flows during construction.
- A WQMP shall be prepared, maintained, and updated as needed to satisfy the requirements of the adopted NPDES program. The plan shall incorporate water quality measures for all improved phases of the project.
- Location of the BMPs shall not be within the public right-of-way.

MM-OZ 4.7-2 Prior to issuance of grading permits, future development projects in the Overlay Zone shall submit a Hydrology and Hydraulic Study to the Public Works Department for review and approval. If existing facilities are not adequate to handle runoff that may be generated by the proposed development, then the applicant shall propose feasible remedies to assure that adequate drainage facilities will be available prior to issuance of occupancy permits. The applicant may propose storm drain improvements to be constructed in order to meet project needs. If necessary storm drain upgrades cannot be implemented prior to issuance of occupancy permits, on-site detention facilities or other methods acceptable to the City shall be included with new development projects to ensure that post-construction runoff does not exceed pre-development quantities.

Land Use and Planning

The MEMU EIR made the following determinations for impacts to land use and planning for projects within the MEMU OZ1 Zone.

There would be no impacts related to conflict with any applicable HCP or NCCP. Impacts related to the introduction of new land uses that would result in conflicts of use, the division of a physically established community, or conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction would be less than significant.

As explained above, the proposed project is consistent with the allowable land use at the project site and would comply with all applicable State and local regulations, including applicable General Plan policies. Therefore, it would not cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect. The proposed project would adhere to the development standards of the MEMU OZ1 Zone, which are intended to allow cohesive development. The proposed project would not include any changes that could significantly alter development patterns or land use activities previously considered in the MEMU EIR. The proposed project would not alter existing roadways or add other infrastructure that could divide an established community. As such, the proposed project would not physically divide an established community or conflict with a land use plan, policy, or regulation. Therefore, project impacts related to land use would be less than significant and would not result in any substantial changes or new significant impacts or increase the severity of any significant impacts previously identified in the MEMU EIR.

Mineral Resources

The MEMU EIR made the following determinations for impacts to mineral resources for projects within the MEMU OZ1 Zone.

The MEMU OZ1 Zone would not result in the loss of availability of either a known mineral resource of value to the State or region or a locally important mineral resource recovery site, because no such sites exist within the overlay zone.

A small area of in the northeast corner of the City is mapped as MRZ-2, which means significant mineral resources are known or very likely. No mineral resource sections and active or inactive mines are within the City.¹⁵ As stated in the MEMU EIR, no mineral resources exist in the overlay zone. The project site does not currently support any mineral extraction activities. Therefore, no impacts related to mineral resources would occur, and the proposed project would not result in any substantial changes or new significant impacts or increase the severity of any significant impacts previously identified in the MEMU EIR.

¹⁵ California Department of Conservation. 2016. Mines Online. Website: <https://maps.conservation.ca.gov/mol/index.html>. Accessed October 1, 2024.

Noise

The following analysis is based on the Noise Impact Report (dated February 14, 2025) prepared by Vista Environmental (Attachment G) to determine the noise impacts associated with the proposed 2020 East 1st Street Residential Project (proposed project) and to determine compliance with Mitigation Measures MM-OZ 4.9-1 to MM-OZ 4.9-7 from the MEMU EIR. The project site is located within the Metro East Mixed-use Overlay Zone (MEMU), August 2018, that was analyzed in the MEMU EIR, March 2007.

The analysis concluded that potential construction noise and groundborne vibration impacts were adequately addressed in the MEMU EIR and that MEMU construction noise and vibration MMs MM-OZ 4.9-1 through MM-OZ 4.9-3 would reduce potential impacts to less than significant. The report also concluded that, after performing site-specific noise modeling and analyses in compliance with MEMU MMs MM-OZ 4.9-5 through MM-OZ 4.9-7, all potential noise impacts would be reduced to less than significant with implementation of identified Project Design Features, as described in more detail below. The Noise Impact Report analysis assumed that the following Project Design Features will be incorporated into the proposed project.

Project Design Feature 2: The project applicant shall require that all construction activities on the project site are limited to the time limits provided in Section 18-314(e) of the City of Santa Ana Municipal Code that limits construction activities to between 7:00 a.m. and 8:00 p.m. on weekdays and Saturdays. All construction activities that occur in the southernmost 200 feet of the project site are limited to the more restrictive time limits provided in Section 4617(e) of the City of Tustin Municipal Code that limits construction activities to between 7:00 a.m. and 6:00 p.m. on weekdays and between 9:00 a.m. and 5:00 p.m. on Saturdays.

Project Design Feature 3: Contract specifications in construction documents, which shall be reviewed by the City prior to the issuance of a grading permit, shall require that the following construction BMPs be implemented by contractors to reduce construction noise levels:

- Two weeks prior to the commencement of construction, notification must be provided to surrounding land uses within 1,000 feet of a project site disclosing the construction schedule, including the various types of activities that would be occurring throughout the duration of the construction period.
- Ensure that construction equipment is properly muffled according to industry standards and be in good working condition.
- Place noise-generating construction equipment and locate construction staging areas away from sensitive uses, where feasible.
- Schedule high noise-producing activities between the hours of 8:00 a.m. and 5:00 p.m. to minimize disruption on sensitive uses.
- Implement noise attenuation measures, which may include, but are not limited to, temporary noise barriers or noise blankets around stationary construction noise sources.
- Use electric air compressors and similar power tools rather than diesel equipment, where feasible.

- Construction-related equipment, including heavy-duty equipment, motor vehicles, and portable equipment, shall be turned off when not in use for more than 30 minutes.
- Construction hours, allowable workdays, and the phone number of the job superintendent shall be clearly posted at all construction entrances to allow for surrounding owners and residents to contact the job superintendent. If the City or the job superintendent receives a complaint, the superintendent shall investigate, take appropriate corrective action, and report the action taken to the reporting party.

Project Design Feature 4: The project applicant shall require by contract specifications in construction documents, which shall be reviewed by the City prior to the issuance of a grading permit that construction staging areas along with the operation of earthmoving equipment within the project area shall be located as far away from vibration and noise-sensitive sites as possible.

Project Design Feature 5: The project applicant shall construct a minimum 3.5-foot-high barrier on all patios and balconies located on the west side of Buildings 1, 2 and 4; all patios and balconies on the south side of Building 2; and all balconies on the second and fourth floor of Buildings 13, 14 and 15. The barriers shall be constructed of materials that provide a surface density of at least four pounds per square foot and shall be continuous, without gaps or gates.

Project Design Feature 6: The project applicant shall provide standard dual-paned windows and exterior doors that have a minimum Sound Transmission Class (STC) rating of 26 STC.

The Noise Impact Report confirms that the project complies with MM-OZ 4.9-1 through MM-OZ 4.9-7 of the MEMU EIR. Construction noise impacts will be minimized through adherence to the City's construction time limits, as outlined in MM-OZ 4.9-1, and by incorporating BMPs per MM-OZ 4.9-2, with implementation of Project Design Features 1 and 2. Noise impacts from staging and earthmoving equipment will be mitigated in compliance with MM-OZ 4.9-3 through implementation of Project Design Feature 3. Noise levels at patios and balconies will meet the 65 A-weighted decibel (dBA) Community Noise Equivalent Level (CNEL) standard of MM-OZ 4.9-5 by installing 3.5-foot-high sound walls through implementation of Project Design Feature 4. Interior noise levels will comply with the 45 dBA CNEL limit of MM-OZ 4.9-6 using standard 26 STC rated windows and doors with implementation of Project Design Feature 5. For HVAC systems, the updated equipment (Carrier Model 38 MURA) produces noise levels significantly below those modeled in the MEMU EIR, rendering additional mitigation under MM-OZ 4.9-7 unnecessary. Thus, the proposed project is consistent and compliant with all required mitigation measures. Therefore, the proposed project would not result in any substantial changes new significant impacts or increase the severity of any significant impacts previously identified in the MEMU EIR.

The applicable mitigation measures from the MEMU EIR are provided below for reference:

MM OZ 4.9-1 Construction activities shall be limited to the following general restrictions. In the event that there is a conflict between the City of Santa Ana Municipal Code and the City of Tustin Municipal Code, the more restrictive measures shall be applied:

- All construction activity within the City shall be conducted in accordance with Section 18-314(e) of the City of Santa Ana Municipal Code.
- All construction activity within 200 feet of the City of Tustin Border shall be conducted in accordance with Section 4617(e) of the City of Tustin Municipal Code. Planning and Building Agency Project Applicant During Construction Impact 4.9-1: Construction activities associated with the proposed project would generate noise levels that exceed the noise standards established by the City of Santa Ana Municipal Code.

MM OZ 4.9-2 The project applicant shall require by contract specifications that the following construction Best Management Practices (BMPs) be implemented by contractors to reduce construction noise levels:

- Two weeks prior to the commencement of construction, notification must be provided to surrounding land uses within 1,000 feet of a project site disclosing the construction schedule, including the various types of activities that would be occurring throughout the duration of the construction period.
- Ensure that construction equipment is properly muffled according to industry standards and be in good working condition.
- Place noise-generating construction equipment and locate construction staging areas away from sensitive uses, where feasible.
- Schedule high noise-producing activities between the hours of 8:00 a.m. and 5:00 p.m. to minimize disruption on sensitive uses.
- Implement noise attenuation measures to the extent feasible, which may include, but are not limited to, temporary noise barriers or noise blankets around stationary construction noise sources.
- Use electric air compressors and similar power tools rather than diesel equipment, where feasible.
- Construction-related equipment, including heavy-duty equipment, motor vehicles, and portable equipment, shall be turned off when not in use for more than 30 minutes.
- Construction hours, allowable workdays, and the phone number of the job superintendent shall be clearly posted at all construction entrances to allow for surrounding owners and residents to contact the job superintendent. If the City or the job superintendent receives a complaint, the superintendent shall investigate, take appropriate corrective action, and report the action taken to the reporting party.
- Contract specifications shall be included in the proposed project construction documents, which shall be reviewed by the City prior to issuance of a grading permit.

MM OZ 4.9-3 The project applicant shall require by contract specifications that construction staging areas along with the operation of earthmoving equipment within the project area would be located as far away from vibration and noise-sensitive sites as possible. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed by the City prior to issuance of a grading permit.

- MM OZ 4.9-4** The project applicant shall require by contract specifications that heavily loaded trucks used during construction would be routed away from residential streets to the extent feasible. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed by the City prior to issuance of a grading permit.
- MM OZ 4.9-5** Where future residential uses would be construction in areas exposed to noise levels greater than 60 dBA CNEL, prior to issuance of building permits, building plans shall reflect the construction of noise barriers around patios and balconies. The barriers shall be constructed of materials that provide a surface density of at least four pounds per square foot and shall be continuous, without gaps or gates. The height of the barriers shall be sufficient to reduce the exterior noise levels to a CNEL of 65 dBA or less, and shall be determined by a qualified acoustical consultant as part of the final engineering design of the project.
- MM OZ 4.9-6** Prior to issuance of building permits, building plans shall specify the STC rating of windows and doors for all residential land uses. Window and door ratings shall be sufficient to reduce the interior noise level to a CNEL of 45 dBA or less, and shall be determined by a qualified acoustical consultant as part of the final engineering design of the project.
- MM OZ 4.9-7** The developer shall provide proper shielding for all new HVAC systems used by the proposed residential and mixed use buildings to achieve an attenuation of 15 dBA at 50 feet from the equipment.
- MM NOI-1** Where future residential uses would be constructed in areas exposed to noise, exterior noise control shall be provided as necessary to comply with the City's exterior noise guideline of 65 dB CNEL, as specified in the Noise Element of the General Plan. The noise control requirements, if any, shall be determined by a qualified acoustical consultant as part of the final engineering design of the project and shall be included on the building plans prior to issuance of building permits. It is noted that exterior living space for multi-family developments may be provided as a combination of private space (patios, balconies, etc.) and common areas (playgrounds, pool areas, etc.). As a result, it may not be necessary to provide noise control at all private areas, provided sufficient common area is included within the project.

Population and Housing

The MEMU EIR made the following determinations for impacts to population and housing for projects within the MEMU OZ1 Zone.

There would be no impacts related to the displacement of substantial numbers of people and existing housing. As of January 1, 2024, the City of Santa Ana has a population of 310,797.¹⁶ Upon full buildout, the MEMU EIR determined that the project would accommodate projected population and housing growth. The MEMU EIR anticipated a total direct and indirect population increase of approximately 13,851 people in the City of Santa Ana as a result of the implementation of the overlay zone, including the expansion area, at full buildout in 2040.

The proposed project would not propose any land use or policy changes within the planning area that could potentially result in direct or indirect population growth not previously contemplated in the MEMU EIR. Impacts related to substantial population growth were determined to be less than significant. The proposed project would develop 80 multi-family-attached townhomes plus 6 urban duplex homes, which would increase the City's population by up to 328 people, which is an approximately 0.1 percent increase of the current population.¹⁷ The project site currently contains an existing office building; therefore, the proposed project would not demolish any existing homes and would not displace a substantial number of housing or people.

The proposed project would be consistent with the overall intent of the City's goals to provide adequate housing and to meet its "fair share" of projected housing needs, as discussed in the MEMU EIR. Additionally, the MEMU EIR states that due to the fact that the City's population is forecasted to grow at a slower rate than the County and Southern California Association of Governments (SCAG) Region, the forecasted project-related direct and indirect population growth in the City is not considered substantial relative to the surrounding areas. The MEMU EIR states that in order to accommodate the forecasted population growth that is anticipated to continue to occur, infill and reutilization of underdeveloped land has become a priority in the City. The MEMU EIR further states that the City's intent is to intensify compatible residential development through adaptive reuse and mixed use within the District Center designation and other existing commercial zones. As analyzed in the MEMU EIR, the population growth is consistent with the overall intent of the City's goals to provide adequate housing opportunities to meet its "fair share" of projected housing needs and would allow the City to accommodate the projected growth increases. The proposed project would be consistent with the population projections anticipated in the MEMU EIR. As such, the proposed project would not result in any substantial changes or new significant impacts or increase the severity of any significant impacts previously identified in the MEMU EIR.

Public Services

The MEMU EIR made the following determinations for impacts to public services for projects within the MEMU OZ1 Zone.

¹⁶ California Department of Finance. 2024. Table 2: E-5 City/County Population and Housing Estimates, 1/1/2024. Website: https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fdof.ca.gov%2Fwp-content%2Fuploads%2Fsites%2F352%2FForecasting%2FDemographics%2FDocuments%2FE-5_2024_InternetVersion.xlsx&wdOrigin=BROWSELINK. Accessed November 18, 2024.

¹⁷ Based on the California Department of Finance's average persons per household. 86 residential units * 3.81 persons per household = 327.66

The MEMU EIR analyzed impacts related to an increase in the demand for public services that would require the construction of new or physically altered facilities to accommodate the increased demand or maintain acceptable response times. As of January 1, 2024, the City of Santa Ana has a population of 310,797.¹⁸ Upon full buildout in 2040, the MEMU EIR anticipated a total direct and indirect population growth of approximately 13,851 people, which was anticipated to result in increased demands for police, fire, and schools. These impacts were determined to be less than significant.

The proposed project would develop 80 multi-family attached townhomes plus 6 urban duplex homes and would increase the City's population by up to 328 people, which would increase the demand for public services as anticipated in the MEMU EIR. The proposed project would not introduce any land use or policy changes within the planning area that could potentially result in direct or indirect population growth not previously contemplated in the MEMU EIR. Therefore, impacts associated with new or expanded public service facilities are consistent with the analysis provided in the MEMU EIR.

The proposed project would be in compliance with Uniform Fire Code, Uniform Building Code, all applicable State codes, National Fire Protection Association Fire Codes, and the City's Municipal Code. Additionally, the proposed project would pay fire facilities fees as discussed in the MEMU EIR.

The number of calls from the proposed project in the context of the entire City would not substantially affect the level of police protection service provided by the Santa Ana Police Department as previously analyzed in the MEMU EIR. The proposed project would also pay applicable fees which would offset increased demands on police protection services from new development. Additionally, the proposed project would be required to pay applicable fees to school and park services. As such, the proposed project would not result in any substantial changes or new significant impacts or increase the severity of any significant impacts previously identified in the MEMU EIR.

The MEMU EIR included the following mitigation measures:

M-OZ 4.11-1 Individual project developers shall pay school impact fees prior to the issuance of occupancy permits.

Recreation

Impacts to parks were analyzed in the Public Services and Recreation section of the MEMU EIR. The MEMU EIR found that implementation of the overlay zone would not result in the need for new or physically altered park facilities in order to maintain acceptable service ratios. According to the MEMU EIR, new development within the overlay zone would be required to include an open space/recreation component that is accessible to the public through the main street-facing façade entry of a project. Therefore, impacts were determined to be less than significant.

¹⁸ California Department of Finance. 2024. Table 2: E-5 City/County Population and Housing Estimates, 1/1/2024. Website: https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fdof.ca.gov%2Fwp-content%2Fuploads%2Fsites%2F352%2FForecasting%2FDemographics%2FDocuments%2FE-5_2024_InternetVersion.xlsx&wdOrigin=BROWSELINK. Accessed November 18, 2024.

The proposed project would develop 80 multi-family-attached townhomes plus 6 urban duplex homes and would increase the City's population by up to 328 people, which would result in an increased demand for recreational facilities as compared to existing conditions. According to the City's General Plan Land Use Element EIR, the City's current goal for parkland is 2 acres per 1,000 residents. The City currently does not meet its parkland standards. Chapter 34, Article 8 of the Santa Ana Municipal Code suggests parkland dedication requirements for proposed development. As per the Municipal Code each dwelling unit in the MEMU EIR is required to provide 209.1 square feet of public open space. In accordance with the Municipal Code, 25 percent of the required parkland can be provided as private open space and the remaining amount can be met through the dedication of land or through the payment of parkland fees. buildout within the Overlay Zone would require 1.16 million square feet of additional parkland, or 26.6 acres. Based on 86 dwelling units, the proposed project would be required to provide 17,982.6 square feet of open space.

Consistent with the MEMU EIR and the requirements of the overlay, the proposed project would provide an open space/recreation component, which would provide a total of 40,243 square feet of open space, consisting of 13,760 square feet of publicly accessible open space, 13,179 square feet of common open space, and 13,304 square feet of private open space. The proposed project's provision of open space would exceed the parkland dedication requirements of Chapter 34 Article 8 of the Santa Ana Municipal Code, as discussed in the MEMU EIR. Therefore, impacts related to recreation were previously contemplated in the MEMU EIR and would not result in any substantial changes or new significant impacts or increase the severity of any significant impacts previously identified in the MEMU EIR.

Transportation

The MEMU EIR made the following determinations for impacts to transportation for projects within the MEMU OZ1 Zone.

The project would not increase traffic volumes such that street segment volume capacities are exceeded. The project would not increase hazards due to a design feature or incompatible uses. The project would not result in inadequate parking capacity. These impacts were found to be less than significant.

Additionally, the following impacts were determined to be less than significant with implementation of required overlay measures identified in the MEMU EIR:

- Implementation of the proposed project would not result in a change in air traffic patterns. However, applicants and developers within the MEMU Overlay Zone expansion area would need to file with the Federal Aviation Administration (FAA) if a proposed project could result in development of structures taller than 200 feet above ground level. Mitigation measure MM-OZ 4.6-4 would be required for any future project within the Overlay Zone that would exceed 200 feet in height, which requires filing of a Notice of Proposed Construction or Alteration (FAA Form 7460-1). Compliance with recommendations or guidelines from FAA would ensure that future development would not result in any change to air traffic patterns.

- The proposed project could result in inadequate emergency access; however, adherence to MM-OZ 4.6-5, MM-OZ 4.6-6, and MM-OZ 4.6-7 would ensure impacts are less than significant, consistent with the findings of the MEMU EIR.
- The proposed project would not conflict with adopted policies, plans, or programs supporting alternative transportation. Additionally, implementation of public transportation facilities and programs that were identified in 2007 MEMU EIR MM-OZ 4.12-1 would ensure consistency with the overlay and ensure less than significant impacts.

The MEMU EIR found that there would be significant and unavoidable impacts related to the following transportation and traffic thresholds:

- Impacts related to an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system and level of service standards established by the County were considered significant and unavoidable. As such, future development would be required to implement MM-OZ 4.12-1 through MM-OZ 4.12-4.
- Implementation of the proposed project would exceed standards established by the Orange County Transportation Authority within the Study Area. Therefore, this impact is considered to be significant and unavoidable.

The following analysis is based in part on the Focused Traffic Assessment Memorandum (Traffic Assessment) prepared by Urban Crossroads on March 14, 2024, included as Attachment H. The purpose of the Traffic Assessment is to evaluate potential traffic deficiencies at the proposed access points, to identify necessary improvements to address any intersection deficiencies, and to compare the analysis results to those previously disclosed in the Traffic Impact Study for the Metro East Overlay Zone in the City of Santa Ana, dated December 2006, and prepared by Katz, Okitsu & Associates (2006 Traffic Study). The assessment used in the Traffic Assessment follows the City's Traffic Impact Study Guidelines September 2019 (City Guidelines).

According to the MEMU EIR, future developments within the overlay zone must use trip generation rates that are specific for the individual development and are approved by the City. Accordingly, the Traffic Assessment included an analysis of trip generation rates. The proposed project, which would include the development of 80 multi-family-attached townhomes plus 6 urban duplex homes, is anticipated to generate a net reduction of 740 two-way trips per day, including 148 fewer AM peak-hour trips and 133 fewer PM peak-hour trips, as compared to the existing use.¹⁹ As such, it is not anticipated that the proposed project would result in additional trips compared to existing conditions. As such, the proposed project would not result in new impacts or greater impacts related to trip generation.

Traffic impacts would be significant if the project-related traffic would cause Level of Service (LOS) to deteriorate to below the minimum acceptable level by a measurable amount. According to the Traffic Assessment, all study area intersections and roadway segments are anticipated to operate at an

¹⁹ Urban Crossroads. March. 2020 East 1st Street Due Diligence Focused Traffic Assessment. March 14.

acceptable LOS during the AM and PM peak hours with the addition of project traffic under Opening Year (2027) With Project conditions. These results are consistent with the results disclosed in the 2006 Traffic Study and reflect improved operations to the 2030 With Project analysis conducted in the 2006 Traffic Study. As such, the proposed project would not result in new impacts or greater impacts related to LOS.

Similar to existing access to the existing office building, East 1st Street would provide site access to the proposed townhomes, which would include a 28-foot-wide curb cut with a 28-foot-wide driveway, and the Santa Ana Planning Department would review project plans to ensure adequate site access as part of project approval, ensuring no increase in hazards due to a design feature. With respect to emergency access, similar to existing emergency access to the existing office building, East 1st Street would provide access for emergency service personnel responding to calls for service. Proposed site plans would be reviewed by the Santa Ana Fire Department to ensure adequate access to fire equipment.

As such, approval of the proposed project would not result in any significant effects relating to emergency access. Therefore, the proposed project would not result in any substantial changes or new significant impacts or increase the severity of any significant impacts previously identified in the MEMU EIR.

The MEMU EIR included the following mitigation measures:

MM-OZ 4.12-1 As part of the project, the City of Santa Ana and the project sponsors shall work with the transit providers to implement various transit-related measures to improve and expand bus system service within the Overlay Zone. These measures may include, but are not limited to, the following:

- Adding bus stops to the Overlay Zone along existing and proposed roadways
- Changing bus service headways to respond to increased demand
- Changing bus service destinations to respond to changing demand f Adding local shuttle service for employees and patrons of the Overlay Zone

The details of bus service improvements shall be determined in coordination with OCTA. The following recommendations would help encourage public transit patronage for project-related trips:

- **Bus Stop Locations**—Relocation of existing bus stops and the provision of additional bus stops should be considered to accommodate transit users at convenient locations.
- **Days of Operation**—The City should work with OCTA to consider changes to route times to serve nighttime and weekend project visitors and employees.
- **Headway**—The City should work with OCTA to review route headways to determine whether it would be appropriate to reduce them to accommodate transit riders within the Overlay Zone.

MM-OZ 4.12-2 Future development within the proposed Overlay Zone shall prepare separate traffic studies, specific to the individual projects that are proposed. The traffic studies for future projects shall be prepared by a qualified traffic engineer of the City's choosing. Further, and as determined by the traffic studies, the above identified improvement measures shall be implemented as a condition of the proposed development, either through the direct construction of improvements by the project applicant or through payment of a fee, as required by the program detailed in MM-OZ 4.12-4.

MM-OZ 4.12-3 The City of Santa Ana Planning Department, in cooperation with the Department of Public Works, shall monitor the traffic signals within the Overlay Zone Study Area once every five years to ensure that traffic signal timing is optimized.

MM-OZ 4.12-4 The City of Santa Ana shall institute a program for systematic mitigation of impacts as development proceeds within the Overlay Zone to ensure mitigation of the individual improvements. The program shall prescribe the method of participation in the mitigation program by individual projects and guide the timely implementation of the mitigation measures. The program should include the following elements:

- A funding and improvement program should be established to identify financial resources adequate to construct all identified mitigation measures in a timely basis. The program should allow for acquisition of entire properties including business relocation where necessary to construct mitigation measures. Funds derived from sale of surplus acquired properties should be returned to the program.
- All properties that redevelop within the Overlay Zone should participate in the program on a fair share per new development trip basis. The fair share should be based upon the total cost of all identified mitigation measures, divided by the peak-hour trip generation increase forecast. This rate per peak-hour trip should be imposed upon the incremental traffic growth for any new development within the Overlay Zone. *f* The program should include resources to conduct preliminary engineering studies to complete alignment studies and project specific environmental clearances for Tustin Avenue at 17th Street and at 4th Street.
- The program should raise funds from full development of the Overlay Zone to fund all identified mitigation measures.
- The program should monitor phasing development of the Overlay Zone and defer or eliminate improvements if the densities permitted in the Overlay Zone are not occurring.
- Program phasing should be monitored through preparation of specific project traffic impact studies for any project that is expected to include more than 100 dwelling units or 100,000 square feet of nonresidential development. Traffic impact studies should use traffic generation rates that are deemed to be most appropriate for the actual development proposed.
- The program should initiate project development to assure timely completion of the improvements identified to be needed for the First and Cabrillo Towers project by 2010

or as soon after as practically feasible Properties within Santa Ana and within one-half mile of the Overlay Zone that redevelop to result in higher traffic generation should also participate in the program to insure equity.

- The program should provide for full construction of projects outside of Santa Ana, if the Overlay Zone will create a traffic impact based upon the CMP. *f* The program should provide fair share contribution to construction costs of other improvements outside of the Overlay Zone if they are identified in this traffic study but they are not impacted as defined by the CMP.
- The fair share contribution would presume participation by other developments outside of the City of Santa Ana (generally within the City of Tustin) in proportion to traffic growth at the affected sites. Traffic impact studies for future projects shall be prepared by a qualified traffic engineer approved or retained by the City.
- The City may elect to implement appropriate mitigation measures as a condition of approval of the proposed developments, where appropriate. All or part of the costs of these improvements may be considered to be a negotiated credit toward the program, however the Program must be administered in a manner that assures that it can fund necessary improvements to maintain adequate level of service at all intersections within this study. If funding of priority improvements cannot be assured, credit for construction of lower priority improvements may not be assured or may be postponed until more Program funds are available.
- Traffic studies for future developments within the Overlay Zone must also use trip generation rates which are specific for these projects and are approved by the City. The traffic consultant preparing traffic studies for specific projects in the Overlay Zone must use City-approved trip generation rates specific to these projects. These studies are subject to City review.

MM TRA-1 The following improvements shall be installed prior to 2040, as the projected facilities are forecasted to be affected. Timing and funding of these improvements shall be based on a program as outlined in mitigation measure MM-OZ 4.12-4 (and included in the original MEMU EIR).

- **Standard Avenue and First Street**—widen northbound approach and reconfigure to provide one left-turn lane, two through lanes, and one right-turn lane, and widen the southbound approach and reconfigure to provide one left-turn lane and one shared through and right-turn lane, along with two receiving lanes that merge back to one lane.
- **Grand Avenue and Santa Ana Boulevard**—convert westbound shared through and right-turn lane to a right-turn only lane and include an overlap right-turn phasing by prohibiting the southbound U-turn movement.
- **Grand Avenue and Fourth Street**—widen northbound approach to include an additional through lane and provide an additional receiving lane on the north leg of the

intersection. Convert eastbound shared through and right-turn lane to a through lane and construct a right-turn lane.

- **Grand Avenue and First Street**—widen northbound approach to provide two left-turn lanes, three through lanes, and one right-turn lane. Widen westbound approach to provide two left-turn lanes, three through lanes, and one right-turn lane by extending the current right-turn pocket and providing a westbound right-turn overlap signal phasing.
- **Lyon Street and First Street**—widen northbound approach to provide one left-turn lane, one shared through and left-turn lane, and one right-turn lane with a right-turn signal overlap phasing and split signal phasing for the north–south approaches. Widen eastbound approach to convert the shared through and right-turn lane into a third through lane and construct a new right-turn lane.
- **Mabury Street/Elk Lane and First Street**—widen northbound approach to provide a second right-turn lane, widen the southbound approach to provide a second southbound right-turn lane, and widen the eastbound approach to construct a dedicated eastbound right-turn lane.
- **Elk Lane at Chestnut Avenue/Main Street**—converted to a signalized intersection.
- **Tustin Avenue at Fourth Street**—widen northbound approach to construct a dedicated northbound right-turn lane with a right-turn overlap signal phasing and prohibit the westbound U-turn movement.
- **SR-55 southbound ramp at Fourth Street**—construct an eastbound free right-turn lane. Right-of-way is required for the construction of the eastbound free right-turn lane. This improvement is subject to the review and approval of the City of Tustin and/or Caltrans.
- **SR-55 northbound ramps at Irvine Boulevard**—restripe eastbound approach to provide two left-turn lanes and two through lanes. This improvement is subject to the review and approval of the City of Tustin and/or Caltrans.
- **Yorba Street at First Street**—reinstate the westbound through lane that is planned to be removed to provide the one through lane and one shared through and right-turn lane in the westbound approach as existing conditions. This improvement is subject to the review and approval of the City of Tustin and/or Caltrans.
- **B Street at First Street**—reinstate the westbound through lane that is planned to be removed to provide the one through lane and one shared through and right-turn lane in the westbound approach as existing conditions. This improvement is subject to the review and approval of the City of Tustin and/or Caltrans.
- **El Camino Real at First Street**—restripe the northbound right-turn lane to a shared left- and right-turn lane and change the northbound/southbound signal phasing from permitted to split phasing. This improvement is subject to the review and approval of the City of Tustin and/or Caltrans.
- **Prospect Avenue at First Street**—reinstate the westbound through lane that is planned to be removed to provide the one through lane and one shared through and

right-turn lane in the westbound approach as existing conditions. This improvement is subject to the review and approval of the City of Tustin and/or Caltrans.

- **Newport Avenue at Irvine Boulevard**—convert the northbound right-turn lane signal phasing to an overlap signal phasing and prohibit the westbound U-turn movement. This improvement is subject to the review and approval of the City of Tustin and/or Caltrans.

Utilities and Service Systems

The MEMU EIR made the following determinations for impacts to utilities and system services for projects within the MEMU OZ1 Zone.

Impacts related to water treatment facilities, water supplies, and solid waste would be less than significant. With the implementation of MM-OZ-4.13-1 impacts to sewer services would be less than significant.

The proposed project would include the development of 80 multi-family-attached townhomes plus 6 urban duplex homes and would connect to existing utility lines within East 1st Street. Development of the proposed project would include new lights associated with the new residential development, which would be powered via existing utility infrastructure. Irrigation for proposed landscaping would also be provided via existing utility infrastructure. The proposed improvements would be consistent with the MEMU EIR. Additionally, the population growth associated with the proposed project would be consistent with the MEMU EIR.

As discussed in the MEMU EIR, implementation of projects consistent with the overlay zone would not require or result in the construction of new water treatment facilities or the expansion of existing facilities, and there would be sufficient water supplies available to serve the project from existing entitlements and resources. The proposed project would not introduce any land use or policy changes within the planning area that could potentially result in water or groundwater shortages. The MEMU EIR anticipated that implementation of the overlay zone would generate additional demand for water but would not require water supplies in excess of existing entitlements. As such, the City has adequate capacity to accommodate the proposed project.

As discussed in the MEMU EIR, the implementation of the overlay zone was determined to generate an average wastewater flow of 1.7 million gallons per day (mgd), which would generate additional demand on the sewer system from increased sewage flows. Wastewater from the overlay zone is distributed between Orange County Sanitation District (OC San) Treatment Plant No. 1 and Treatment Plant No. 2. The MEMU EIR determined that wastewater could be accommodated within the existing treatment infrastructure. Because the proposed project is consistent with the MEMU EIR and would not introduce any land use or policy changes within the planning area that could potentially exceed the capacity of sewage systems, there would be no new impacts or greater impacts. As such, as analyzed in the MEMU EIR, the sewer system has adequate capacity to accommodate wastewater from the proposed project. Consistent with the MEMU EIR, the proposed project may be required to implement MM-OZ 4.13-1, which

would require a site-specific sewer evaluation which would reduce impacts to the wastewater conveyance system to a less than significant level.

The City requires NPDES permits, as administered by the Regional Water Quality Control Board (RWQCB), according to federal regulations for both point source discharges (a municipal or industrial discharge at a specific location or pipe) and nonpoint source discharges (diffuse runoff of water from adjacent land uses) to surface waters of the United States. As such, the proposed project would be required to comply with all provisions of the NPDES program, as enforced by the RWQCB. As stated in the MEMU EIR, the NPDES Construction General Permit requires all dischargers to (1) develop and implement an SWPPP which specifies BMPs used during construction of the project; (2) eliminate or reduce non-stormwater discharge to stormwater conveyance systems; and (3) develop and implement a monitoring program of all BMPs specified. Consistent with the MEMU EIR, routine structural BMPs may function either to minimize the introduction of pollutants into the drainage system or to remove pollutants from the drainage system. Appropriate residential nonstructural BMPs listed in the Drainage Area Management Plan (DAMP) that may be used on-site to control typical runoff pollutants include homeowner/tenant education, activity restrictions, common area landscape management, BMP maintenance, common area litter and animal waste control, catch basin inspection, employee training, private street/lot sweeping, smart irrigation controllers to avoid over-watering, use of native drought-tolerant landscaping, and designated car washing location on-site.

Solid waste generated from the project site would be taken to Frank R. Bowerman Landfill. The proposed project is estimated to generate 1,051.8 pounds of solid waste per day or 192 tons per year.²⁰ Frank R. Bowerman Landfill has a remaining capacity of 205,000,000 cubic yards.²¹ As such, solid waste generated by the proposed project signifies less than 1 percent of the remaining capacity of the landfill. The MEMU EIR anticipated the overlay zone would generate 25.16 tons of solid waste per day, including 22,205 pounds of solid waste per day generated by residential uses. The proposed project would not substantially increase the amount of solid waste generation that was previously anticipated in the MEMU EIR. Additionally, the proposed project would be required to comply with the Source Reduction and Recycling Element (SRRE) program for diverting the solid waste, as well as all applicable federal and State laws related to solid waste, as well as the City's recycling program. Therefore, the proposed project would be consistent with the amount of generated solid waste previously considered in the MEMU EIR.

The proposed project would result in a less than significant impact related to utilities and service systems and would not result in any substantial changes, new significant impacts, or increase the severity of any significant impacts previously identified in the MEMU EIR.

The MEMU EIR included the following mitigation measures:

²⁰ Based on CalRecycle Residential Sector Generation Rates, 86 residential units * 12.23 = 1,051.78 pounds per day

²¹ California Department of Resources Recycling and Recovery (CalRecycle). 2024. SWIS Facility/Site Activity Details. Website: <https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/2767?siteID=2103>. Accessed November 6, 2024.

MM-OZ 4.13-1 The developer is required to undertake a site-specific sewer evaluation, including flow monitoring and modeling, may be required as part of the project design to determine the adequacy of the existing sewer pipe capacity in the affected project area lines.

MM-OZ 4.13-2 The project shall implement energy conservation measures (such as energy-efficient lighting and micro processor controlled HVAC equipment) to reduce the demand for electricity and natural gas. The energy conservation measures shall be subject to modification as new technologies are developed or if current technology becomes obsolete through replacement.

Wildfire

The nearest Fire Hazard Severity Zone (FHSZ) in an State Responsibility Area (SRA) to the City of Santa Ana is a high FHSZ about 4 miles east along the western edge of Loma Ridge. The nearest FHSZ in a Local Response Area (LRA) is about 3.8 miles at the southern tip of the Peters Canyon Regional Park. Therefore, the City is not in or near SRAs or lands classified as very high FHSZs. Additionally, no area in the City is a wildlife urban interface (WUI). The MEMU EIR discusses potential impacts related to fires in the Hazards and Hazardous Materials section of the MEMU EIR. In approving the overlay, the City determined that projects implementing the overlay would not expose people or structures to significant losses, injuries, or death involving wildland fires, including where wildlands are adjacent to urbanized and intermixed with residential areas. The MEMU EIR determined that the overlay zone is located in a dense urban environment and is surrounded by existing development. There are no wildland areas, nor wildland interface areas, located in the project vicinity, and impacts related to wildfire were determined to be less than significant.

As discussed in the MEMU EIR, the proposed project is located in an urbanized location and is not located near a wildland interface area. Furthermore, the proposed project does not include any land use changes that would result in exposure to wildland areas or wildland interface areas. The project site is not located in a Very High Fire Hazard Severity Zone (VHFHSZ).²² Therefore, the proposed project would not expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire, and impacts would be less than significant. The proposed project would not include any infrastructure that would exacerbate the risks of wildfire. Additionally, the project site is within an urbanized area and not located in an area prone to flooding and landslides and would not result in flooding and landslide hazards due to post-fire slope instability/drainage changes. Consistent with the MEMU EIR, the proposed project would also be required to implement MM-OZ 4.6-5 and MM-OZ 4.6-6 from the MEMU EIR, which would require street closures to not affect emergency access and would ensure the proposed project would not substantially impair an adopted emergency response plan or an emergency evacuation plan. Therefore, the proposed project would not introduce new impacts or create more severe impacts than those analyzed in the MEMU EIR.

²² California Department of Fire and Forestry Protection (CAL FIRE). 2024. FHSZ Viewer. Website: <https://calfire-forestry.maps.arcgis.com/apps/webappviewer/index.html?id=988d431a42b242b29d89597ab693d008>. Accessed October 1, 2024.

ATTACHMENTS

- Attachment A: Metro East Mixed Use Overlay Zone EIR MMRP
- Attachment B: Air Quality Supporting Information
- Attachment C: Cultural Resources Supporting Information
- Attachment D: Geology and Soils Supporting Information
- Attachment E: Hazards and Hazardous Materials Supporting Information
- Attachment F: Hydrology Supporting Information
- Attachment G: Noise Impact Report
- Attachment H: Focused Traffic Assessment

ATTACHMENT A:

Metro East Mixed-use Overlay Zone EIR MMRP

CHAPTER 4 Mitigation Monitoring and Reporting Program

4.1 INTRODUCTION

The *California Environmental Quality Act* (CEQA) requires the adoption of feasible mitigation measures to reduce the severity and magnitude of potentially significant environmental impacts associated with project development. The Final Environmental Impact Report (Final EIR) for the proposed Metro East Mixed Use Overlay Zone EIR (State Clearinghouse No.2006031041) located within the City of Santa Ana (City), includes program and project-specific mitigation measures to reduce the potential environmental effects of the Overlay Zone, as well as the First and Cabrillo Towers Project.

Monitoring of the implementation of adopted mitigation measures is required by Public Resources Code Section 21081.6. The Final EIR for the proposed project provides a list of mitigation measures, and describes the process whereby the mitigation measures would be monitored. Following certification of the Final EIR and approval of this Mitigation Monitoring Program (MMP) by the City, the mitigation measures included in the Final EIR would be monitored as described in this MMP. It should be noted that because this EIR contained program- and project-level components, two separate MMP tables are presented as part of this MMP for the Overlay Zone and for the First and Cabrillo Towers project.

4.2 PURPOSE

The purpose of the proposed Overlay Zone EIR MMP is to ensure compliance with all mitigation measures to mitigate or avoid potentially significant adverse environmental impacts resulting from the proposed project that were identified in the Final EIR. Implementation of this MMP shall be accomplished by the City of Santa Ana. Mitigation measures will be implemented (1) as part of design development of the project, (2) during project construction, or (3) as part of project operations.

4.3 RESPONSIBILITIES AND DUTIES

In general, monitoring will consist of demonstrating that mitigation measures were implemented, and that the responsible unit monitored the implementation of the measures. The responsible unit for determining compliance with all mitigation measures will be the City. Monitoring will consist of determining whether

- The specific issues identified in the mitigation measures were considered in the design development phase
- Construction contracts included the provisions specified in the mitigation measures
- The required actions specified in the mitigation measures occurred prior to or during construction
- Ongoing administrative activities included the provisions identified in the mitigation measures

Any concerns between monitors and construction personnel shall be addressed by the City of Santa Ana, Planning Department.

4.4 LIST OF MITIGATION MEASURES

As mentioned above, due to the program- and project-level components of this EIR, the MMP has been divided into two parts to address each component separately. The mitigation measures that pertain to implementation of the Overlay Zone and their method of implementation are listed in Table 4-1. The mitigation measures, which include several mitigation measures from the program-level component, that pertain to the First and Cabrillo Towers project are listed in Table 4-2. All project-specific mitigation measures included in the Final EIR for this project would be monitored as described above.

The mitigation monitoring matrix on the following pages is formatted to parallel the format of the Executive Summary table contained in the Final EIR. The matrix identifies the required mitigation measures, the time frame for monitoring, and the responsible monitoring agencies.

It should be noted that the mitigation measures from Volume I that are contained within Table 4-2 have been modified slightly so as to directly apply to the First and Cabrillo Towers project. The content and action required by each mitigation measure have not been modified.

Table 4-1 Mitigation Monitoring Program for the Metro East Mixed Use Overlay Zone Component

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
Aesthetics				
Impact 4.1-3: Implementation of the proposed project would result in new sources of increased daytime glare.	MM-OZ 4.1-1 Proposed new structures shall be designed to maximize the use of textured or other non-reflective exterior surfaces and non-reflective glass.	Planning and Building Agency	Project Applicant	During Project Design and Construction
Impact 4.1-4: Implementation of the proposed project would result in new sources of increased nighttime light.	MM-OZ 4.1-2 All exterior lighting and advertising (including signage) shall be directed onto the specific location intended for illumination (e.g., parking lots, driveways, and walkways) and shielded away from adjacent properties and public rights-of-way to minimize light spillover onto adjacent areas.	Planning and Building Agency	Project Applicant	During Project Design and Construction
	MM-OZ 4.1-3 Prior to issuance of a Site Development Permit for each specific development project, the applicant shall submit a lighting plan to the City of Santa Ana for review and approval. The plan shall specify the lighting type and placement to ensure that the effects of security and other outdoor lighting are minimized on adjacent uses and do not create spillover effects. The plan shall specifically incorporate the following design features: ▪ All projects shall incorporate project design features to shield light and/or glare from vehicles entering or exiting parking lots and structures that face sensitive uses (e.g., schools, hospitals, senior housing, or other residential properties) by providing barriers so that light from vehicle headlights would not illuminate off-site sensitive uses. All projects shall incorporate project design features to provide landscaping, physical barriers, screening, or other buffers to minimize project-generated illumination from entering off-site areas and to prevent glare or interference with vehicular traffic, in accordance with the City's Municipal Code.	Planning and Building Agency	Project Applicant	Prior to Issuance of Site Development Permit
Impact 4.1-5: Implementation of the proposed project could result in a substantial increase in shade/shadows over sensitive uses.	MM-OZ 4.1-4 Prior to issuance of a building permit each project shall be required to perform a shade and shadow analysis that demonstrates that the project will not result in significant impacts according to the following criteria. Shadowing impacts in the Overlay Zone are considered significant when shadows would be cast upon potentially sensitive uses during a substantial portion (greater than 50 percent) of the main daylight hours (9:00 a.m. to 3:00 p.m. during the fall, winter, and spring seasons, and 9:00 a.m. to 5:00 p.m. [daylight savings time] during the summer season). Light sensitive uses are those that depend upon light for their operation (e.g., solar panels) or for which solar access is essential for their function (e.g.,	Planning and Building Agency	Project Applicant	Prior to Issuance of a Building Permit

Table 4-1 Mitigation Monitoring Program for the Metro East Mixed Use Overlay Zone Component

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
	swimming pools). Light-sensitive uses also include public parks, residences, and routinely useable outdoor spaces associated with residences (e.g., yards).			
Air Quality				
Impact 4.2-3: Construction and operation of the proposed project would not create objectionable odors affecting a substantial number of people.	MM-OZ 4.2-1 Trash receptacles within the Overlay Zone will be required to have lids that enable convenient collection and loading and will be emptied on a regular basis, in compliance with City of Santa Ana regulations for the collection of solid waste.	Planning and Building Agency	Project Applicant	During Operation
Impact 4.2-4: Construction activities associated with the proposed project would exceed South Coast Air Quality Management District Standards for VOC and NOX, and would result in a projected air quality violation. This is considered a potentially significant impact. Compliance with the identified project requirement and implementation of mitigation measures MM-OZ 4.2.2 through MM-OZ 4.2.16 would reduce this impact, but not to a less-than-significant level. Therefore, this impact would be considered significant and unavoidable.	MM-OZ 4.2-2 The developer shall require by contract specifications that all diesel-powered equipment used would be retrofitted with after-treatment products (e.g., engine catalysts and other technologies available at the time construction commences) when construction activities commence. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project Applicant	Prior to Construction
	MM-OZ 4.2-3 The developer shall require by contract specifications that all heavy-duty diesel-powered equipment operating and refueling at the project site would use low-NO _x diesel fuel to the extent that it is readily available and cost effective (up to 125 percent of the cost of California Air Resources Board diesel) in the South Coast Air Basin at the time construction activities commence. This requirement shall not apply to diesel-powered trucks traveling to and from the project site. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project Applicant	Prior to Construction
	MM-OZ 4.2-4 The developer shall require by contract specifications that alternative fuel construction equipment (i.e., compressed natural gas, liquid petroleum gas, and unleaded gasoline) would be utilized to the extent feasible in the South Coast Air Basin at the time construction activities commence. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project Applicant	Prior to Construction

Table 4-1 Mitigation Monitoring Program for the Metro East Mixed Use Overlay Zone Component

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
	MM-OZ 4.2-5 The developer shall require by contract specifications that construction equipment engines will be maintained in good condition and in proper tune per manufacturer's specification for the duration of construction. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project Applicant	Prior to Construction
	MM-OZ 4.2-6 The developer shall require by contract specifications that construction-related equipment, including heavy-duty equipment, motor vehicles, and portable equipment, shall be turned off when not in use for more than 5 minutes. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project Applicant	Prior to Construction
	MM-OZ 4.2-7 The developer shall require by contract specifications that construction operations rely on the electricity infrastructure surrounding the construction site rather than electrical generators powered by internal combustion engines to the extent feasible. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project Applicant	Prior to Construction
	MM-OZ 4.2-8 The developer shall require by contract specifications that construction parking be configured to minimize traffic interference during the construction period and, therefore, reduce idling of traffic. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency/Public Works	Project Applicant	Prior to Construction
	MM-OZ 4.2-9 The developer shall require by contract specifications that temporary traffic controls are provided, such as a flagperson, during all phases of construction to maintain smooth traffic flow. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency/Public Works	Project Applicant	Prior to Construction
	MM-OZ 4.2-10 The developer shall require by contract specifications that construction activities that affect traffic flow on the arterial system be scheduled to off-peak hours (10 A.M. to 4 P.M.). Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency/Public Works	Project Applicant	Prior to Construction

Table 4-1 Mitigation Monitoring Program for the Metro East Mixed Use Overlay Zone Component

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
	MM-OZ 4.2-11 The developer shall require by contract specifications that dedicated on-site and off-site left-turn lanes on truck hauling routes be utilized for movement of construction trucks and equipment on site and off site to the extent feasible during construction activities. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana. MM-OZ 4.2-12 Upon issuance of building or grading permits, whichever is issued earliest; notification shall be mailed to owners and occupants of all developed land uses within ¼ mile of the Overlay Zone and the individual projects within the Overlay Zone providing a schedule for major construction activities that will occur through the duration of the construction period. In addition, the notification will include the identification and contact number for a community liaison and designated construction manager that would be available on site to monitor construction activities. The construction manager shall be responsible for complying with all project requirements related to PM₁₀ generation. The construction manager will be located at the on-site construction office during construction hours for the duration of all construction activities. Contract information for the community liaison and construction manager will be located at the construction office, City Hall, the police department, and a sign on site. MM-OZ 4.2-13 As required by South Coast Air Quality Management District Rule 403—Fugitive Dust, all construction activities that are capable of generating fugitive dust are required to implement dust control measures during each phase of project development to reduce the amount of particulate matter entrained in the ambient air. These measures include the following: ▪ Limiting the amount of area disturbed during site grading to 10 acres per day ▪ Application of soil stabilizers to inactive construction areas ▪ Quick replacement of ground cover in disturbed areas ▪ Watering of exposed surfaces three times daily ▪ Watering of all unpaved haul roads three times daily ▪ Covering all stock piles with tarp ▪ Reduction of vehicle speed on unpaved roads ▪ Post signs on site, limiting traffic to 15 miles per hour or less ▪ Sweep streets adjacent to the project site at the end of the day if visible soil material is carried over to adjacent roads	Planning and Building Agency/Public Works Planning and Building Agency Planning and Building Agency	Project Applicant Project Applicant Project Applicant	Prior to Construction Upon Issuance of Building or Grading Permits During Grading, Construction and Project Implementation

Table 4-1 Mitigation Monitoring Program for the Metro East Mixed Use Overlay Zone Component

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
	Cover or have water applied to the exposed surface of all trucks hauling dirt, sand, soil, or other loose materials prior to leaving the site to prevent dust from impacting the surrounding areas Install wheel washers where vehicles enter and exit unpaved roads onto paved roads to wash off trucks and any equipment leaving the site each trip MM-OZ 4.2-14 The developer shall require by contract specifications that the architectural coating (paint and primer) products used would have a VOC rating of 100 grams per liter or less. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed and approved by the City of Santa Ana Planning and Building Agency staff. MM-OZ 4.2-15 The developer shall require by contract specifications that materials that do not require painting be used during construction to the extent feasible. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed and approved by the City of Santa Ana Planning and Building Agency staff. MM-OZ 4.2-16 The developer shall require by contract specifications that pre-painted construction materials be used to the extent feasible. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed and approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency Planning and Building Agency Planning and Building Agency	Project Applicant Project Applicant Project Applicant	Prior to Construction Prior to Construction Prior to Construction
Biological Resources				
Impact 4.3-1: Implementation of the proposed project would not result in a potential reduction in nesting opportunities for resident and migratory avian species of special concern.	MM-OZ 4.3-1 To ensure that avian species of concern, protected migratory species (e.g., MBTA), or raptors species are not injured or disturbed by construction in the vicinity of nesting habitat, the project applicant shall implement the following measures: When feasible, all tree removal shall occur between August 30 and February 15 to avoid the breeding season of any raptor species that could be using the area, and to discourage hawks from nesting in the vicinity of an upcoming construction area. This period may be modified with the authorization of the DFG; or if it is not feasible to remove trees outside this window then, prior to the beginning of mass grading, including grading for major infrastructure improvements, during the period between February 15 and August 30, all trees within 350 feet of any grading or earthmoving	Planning and Building Agency/CDFG	Project Applicant	Prior to and during Construction

Table 4-1 Mitigation Monitoring Program for the Metro East Mixed Use Overlay Zone Component

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
	activity shall be surveyed for active raptor nests by a qualified biologist no more than 30 days prior to disturbance. If active raptor nests are found, and the site is within 350 feet of potential construction activity, a fence shall be erected around the tree(s) at a distance of up to 350 feet, depending on the species, from the edge of the canopy to prevent construction disturbance and intrusions on the nest area. The appropriate buffer shall be determined by the City in consultation with CDFG. 2. No construction vehicles shall be permitted within restricted areas (i.e., raptor protection zones), unless directly related to the management or protection of the legally protected species. 3. In the event that a nest is abandoned, despite efforts to minimize disturbance, and if the nestlings are still alive, the developer shall contact CDFG and, subject to CDFG approval, fund the recovery and hacking (controlled release of captive reared young) of the nestling(s). 4. If a legally protected species nest is located in a tree designated for removal, the removal shall be deferred until after August 30th, or until the adults and young of the year are no longer dependent on the nest site as determined by a qualified biologist.			
Cultural Resources				
Impact 4.4-1: Redevelopment of sites within the Overlay Zone could result in the demolition or major modification of historically-aged structures which have not yet been evaluated to determine their significance as defined by Section 15064.5 of the CEQA Guidelines, and this would be considered a significant impact.	MM-OZ 4.4-1 The City of Santa Ana shall require as part of the environmental review of development projects within the Overlay Zone that impacts to potentially significant historic resources be considered. If any existing structures on a proposed development site are at or approaching 50+ years of age at the time of CEQA review, the City shall consult with a qualified historian as to the potential significance of the structure and develop mitigation measures as necessary.	Planning and Building Agency	Project Applicant	During environmental review of future projects

Table 4-1 Mitigation Monitoring Program for the Metro East Mixed Use Overlay Zone Component

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
Impact 4.4-2: Implementation of the proposed project has the potential to cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5 of the CEQA Guidelines, and this would be considered a significant impact.	MM-OZ 4.4-2 Due to the lack of cultural resource studies for the project site and in order to avoid damaging any unidentified cultural resources, a qualified archaeologist should be retained to monitor any significant ground-disturbing activities in undeveloped areas within the Overlay Zone, and any deep (10' or deeper) ground-disturbing activities in all areas of the Overlay Zone.	Planning and Building Agency	Project Applicant	During Construction
	MM-OZ 4.4-3 In the event that archeological resources are unearthed during project subsurface activities, all earth-disturbing work within a 200-meter radius must be temporarily suspended or redirected until an archeologist has evaluated the nature and significance of the find. After the find has been appropriately mitigated, work in the area may resume.	Planning and Building Agency	Project Applicant	During Construction
Impact 4.4-3: Implementation of the proposed project has the potential to directly or indirectly destroy a unique paleontological resource or site, or unique geologic feature and this would be considered a significant impact.	MM-OZ 4.4-4 In the event that paleontological resources are unearthed during subsurface construction activities, all earth-disturbing work within a 100-meter radius of the find must be temporarily suspended or redirected until a paleontologist has evaluated the nature and significance of the find. After the find has been appropriately mitigated, work in the area may resume.	Planning and Building Agency	Project Applicant	During Construction
Impact 4.4-4: Construction activities under the proposed project could result in the disturbance of human remains interred outside of formal cemeteries.	MM-OZ 4.4-5 If human remains are unearthed, State Health and Safety Code Section 7050.5 require that no further disturbance shall occur until the County coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner has 24 hours to notify the Native American Heritage Commission (NAHC). The NAHC will then contact the most likely descendant of the deceased Native American, who will then serve as consultant on how to proceed with the remains.	Planning and Building Agency/NAHC	Project Applicant	During Construction

Table 4-1 Mitigation Monitoring Program for the Metro East Mixed Use Overlay Zone Component

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
Geology and Soils				
Impact 4.5-1: Implementation of the proposed Overlay Zone could expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving strong seismic groundshaking.	MM-OZ 4.5-1 During project-specific building design of future development in the Overlay Zone, site-specific geotechnical studies shall be conducted under the direct supervision of a California Registered Engineering Geologist or licensed geotechnical engineer to assess detailed seismic, geological, soil, and groundwater conditions at each construction site and develop recommendations to prevent or abate any identified hazards. The report shall specify foundation recommendations to ensure issues associated with underlying soils are addressed. Construction of the project shall comply with all recommendations in the geotechnical report. The study shall follow applicable recommendations of CDMG Special Publication 117 where applicable and shall include, but not necessarily be limited to ▪ Determination of the locations of any suspected fault traces and anticipated ground acceleration at the building site ▪ Potential for displacement caused by seismically induced shaking, liquefaction, differential soil settlement, expansive and compressible soils, or other earth movements or soil constraints ▪ Evaluation of depth to groundwater	Planning and Building Agency	Project Applicant	Prior to Issuance of Permits/During Project Design
Impact 4.5-5: Future development under the proposed Overlay Zone could be located on expansive soil.	MM-OZ 4.5-2 Developers within the Overlay Zone shall conduct expansion index tests in accordance with UBC Standard 18-2 prior to project construction. The design of structural elements of future projects shall include recommendations set forth by the expansion index tests.	Planning and Building Agency	Project Applicant	Prior to Project Construction
Hazards and Hazardous Materials				
Impact 4.6-2: Implementation of the proposed project could result in the exposure of future residents in the Overlay Zone to diesel exhaust emissions, which could pose a significant hazard.	MM-OZ 4.6-1 For future residential uses that are developed under the Overlay Zone within 500 feet of an existing freeway, a health risk assessment (HRA) for diesel exhaust shall be prepared. Recommendations contained within the HRA shall be implemented in project design.	Planning and Building Agency	Project Applicant	Prior to Issuance of Permits/During Project Design

Table 4-1 Mitigation Monitoring Program for the Metro East Mixed Use Overlay Zone Component

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
Impact 4.6-3: Construction activities associated with implementation of the proposed Overlay Zone could result in the release of hazardous materials to the environment through reasonably foreseeable upset and accident conditions.	MM-OZ 4.6-2 Prior to the issuance of grading permits on any project site, the site developer(s) shall: - Investigate the project site to determine whether it or immediately adjacent areas have a record of hazardous material contamination via the preparation of a preliminary environmental site assessment (ESA), which shall be submitted to the City for review. If contamination is found the report shall characterize the site according to the nature and extent of contamination that is present before development activities precede at that site. - If contamination is determined to be on site, the City, in accordance with appropriate regulatory agencies, shall determine the need for further investigation and/or remediation of the soils conditions on the contaminated site. If further investigation or remediation is required, it shall be the responsibility of the site developer(s) to complete such investigation and/or remediation prior to construction of the project. - If remediation is required as identified by the local oversight agency, it shall be accomplished in a manner that reduces risk to below applicable standards and shall be completed prior to issuance of any occupancy permits.	Planning and Building Agency	Project Applicant	Prior to Issuance of Grading Permits
	MM-OZ 4.6-3 In the event that previously unknown or unidentified soil and/or groundwater contamination that could present a threat to human health or the environment is encountered during construction of the proposed project, construction activities in the immediate vicinity of the contamination shall cease immediately. If contamination is encountered, a Risk Management Plan shall be prepared and implemented that (1) identifies the contaminants of concern and the potential risk each contaminant would pose to human health and the environment during construction and post-development and (2) describes measures to be taken to protect workers, and the public from exposure to potential site hazards. Such measures could include a range of options, including, but not limited to, physical site controls during construction, remediation, long-term monitoring, post-development maintenance or access limitations, or some combination thereof. Depending on the nature of contamination, if any, appropriate agencies shall be notified (e.g., City of Santa Ana Fire Department). If needed, a Site Health and Safety Plan that meets Occupational Safety and Health Administration requirements shall be prepared and in place prior to commencement of work in any contaminated area.	Planning and Building Agency	Project Applicant	During construction

Table 4-1 Mitigation Monitoring Program for the Metro East Mixed Use Overlay Zone Component

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
Impact 4.6-7: Implementation of the proposed project could result in a safety hazard for people residing or working in the project area.	MM-OZ 4.6-4 For development of structures that exceed 200 feet in height above ground level at a development site, Applicants shall file a Notice of Proposed Construction or Alteration with the FAA (FAA Form 7460-1). Following the FAA's Aeronautical Study of the project, projects must comply with conditions of approval imposed or recommended by the FAA. Subsequent to the FAA findings, the City shall refer the project to the Airport Land Use Commission (ALUC) for Orange County for consistency analysis.	Planning and Building Agency / FAA/ALUC	Project Applicant	Prior to Construction
Impact 4.6-8: Implementation of the Overlay Zone could interfere with an adopted emergency response plan or emergency evacuation plan.	MM-OZ 4.6-5 Prior to initiation of construction activities, any development within the Overlay Zone shall have a completed traffic control plan, prepared by the developer that will be implemented during construction activities. This may include, but is not limited to, the maintenance of at least one unobstructed lane in both directions on surrounding roadways. At any time only a single lane is available, the developer shall provide a temporary traffic signal, signal carriers (i.e., flagpersons), or other appropriate traffic controls to allow travel in both directions. If construction activities require the complete closure of a roadway segment, the developer shall provide appropriate signage indicating alternative routes. MM-OZ 4.6-6 The City Planning Department shall consult with the Santa Ana Police Department and the Santa Ana Fire Department to disclose temporary closures and alternative travel routes in order to ensure adequate access for emergency vehicles when construction of future projects would result in temporary land or roadway closures. MM-OZ 4.6-7 The Santa Ana Fire Department, in consultation with other applicable City Departments (e.g., Police), shall update their Emergency Preparedness Plan prior to occupancy of the first project developed under the Overlay Zone, to address potential for accidental release of hazardous materials that may be used, stored, and/or transported in association with operation of project implementation.	Public Works Planning and Building Agency/Police Dept./Fire Dept. Fire Dept./Police Dept./Planning and Building Agency	Project Applicant Planning and Building Agency Fire Department	Prior to/During Construction Prior to/During Construction Prior to occupancy of the first project developed under the Overlay Zone

Table 4-1 Mitigation Monitoring Program for the Metro East Mixed Use Overlay Zone Component

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
Hydrology and Water Quality				
Impact 4.7-1: Implementation of the proposed Overlay Zone would not violate water quality standards, waste discharge, or otherwise substantially degrade water quality.	MM-OZ 4.7-1 In order to comply with the 2003 DAMP, future development projects in the Overlay Zone shall prepare Storm Drain Plans, Stormwater Pollution Prevention Plans (SWPPP), and Water Quality Management Plans (WQMP) conforming to the current National Pollution Discharge Elimination System (NPDES) requirements, prepared by a Licensed Civil Engineer or Environmental Engineer, shall be submitted to the Department of Public Works for review and approval. a. A SWPPP shall be prepared and updated as needed during the course of construction to satisfy the requirements of each phase of the development. The plan shall incorporate all necessary Best Management Practices (BMPs) and other City requirements to eliminate polluted runoff until all construction work for the project is completed. The SWPPP shall include treatment and disposal of all dewatering operation flows, and for nuisance flows during construction. b. A WQMP shall be prepared, maintained, and updated as needed to satisfy the requirements of the adopted NPDES program. The plan shall incorporate water quality measures for all improved phases of the project. c. Location of the BMPs shall not be within the public right-of-way.	Public Works	Project Applicant	Prior to Issuance of Permits
Impact 4.7-4: Future development in the Overlay Zone could alter the existing drainage pattern and potentially result in increased downstream flooding through the addition of impervious surfaces, or exceeding the capacity of existing or planned stormwater drainage systems.	MM-OZ 4.7-2 Prior to issuance of grading permits, future development projects in the Overlay Zone shall submit a Hydrology and Hydraulic Study to the Public Works Department for review and approval. If existing facilities are not adequate to handle runoff that may be generated by the proposed development, then the applicant shall propose feasible remedies to assure that adequate drainage facilities will be available prior to issuance of occupancy permits. The applicant may propose storm drain improvements to be constructed in order to meet project needs. If necessary storm drain upgrades cannot be implemented prior to issuance of occupancy permits, on site detention facilities or other methods acceptable to the City shall be included with new development projects to ensure that post-construction runoff does not exceed pre-development quantities.	Public Works	Project Applicant	Prior to Issuance of Grading Permits

Table 4-1 Mitigation Monitoring Program for the Metro East Mixed Use Overlay Zone Component

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
Noise				
Impact 4.9-1: Construction activities associated with the proposed project would generate noise levels that exceed the noise standards established by the City of Santa Ana Municipal Code.	MM OZ 4.9-1 Construction activities shall be limited to the following general restrictions. In the event that there is a conflict between the City of Santa Ana Municipal Code and the City of Tustin Municipal Code, the more restrictive measures shall be applied: ▪ All construction activity within the City shall be conducted in accordance with Section 18-314(e) of the City of Santa Ana Municipal Code. ▪ All construction activity within 200 feet of the City of Tustin Border shall be conducted in accordance with Section 4617(e) of the City of Tustin Municipal Code.	Planning and Building Agency	Project Applicant	During Construction
	MM OZ 4.9-2 The project applicant shall require by contract specifications that the following construction best management practices (BMPs) be implemented by contractors to reduce construction noise levels: ▪ Two weeks prior to the commencement of construction, notification must be provided to surrounding land uses within 1,000 feet of a project site disclosing the construction schedule, including the various types of activities that would be occurring throughout the duration of the construction period. ▪ Ensure that construction equipment is properly muffled according to industry standards and be in good working condition. ▪ Place noise-generating construction equipment and locate construction staging areas away from sensitive uses, where feasible. ▪ Schedule high noise-producing activities between the hours of 8:00 A.M. and 5:00 P.M. to minimize disruption on sensitive uses. ▪ Implement noise attenuation measures to the extent feasible, which may include, but are not limited to, temporary noise barriers or noise blankets around stationary construction noise sources. ▪ Use electric air compressors and similar power tools rather than diesel equipment, where feasible. ▪ Construction-related equipment, including heavy-duty equipment, motor vehicles, and portable equipment, shall be turned off when not in use for more than 30 minutes. ▪ Construction hours, allowable workdays, and the phone number of the job superintendent shall be clearly posted at all construction entrances to allow for surrounding owners and residents to contact the job superintendent. If the City	Planning and Building Agency	Project Applicant	Prior to Issuance of Grading Permit

Table 4-1 Mitigation Monitoring Program for the Metro East Mixed Use Overlay Zone Component

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
	or the job superintendent receives a complaint, the superintendent shall investigate, take appropriate corrective action, and report the action taken to the reporting party. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed by the City prior to issuance of a grading permit. MM OZ 4.9-3 The project applicant shall require by contract specifications that construction staging areas along with the operation of earthmoving equipment within the project area would be located as far away from vibration and noise sensitive sites as possible. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed by the City prior to issuance of a grading permit. MM OZ 4.9-4 The project applicant shall require by contract specifications that heavily loaded trucks used during construction would be routed away from residential streets to the extent feasible. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed by the City prior to issuance of a grading permit.	Planning and Building Agency Planning and Building Agency	Project Applicant Project Applicant	Prior to Issuance of Grading Permit Prior to Issuance of Grading Permit
Impact 4.9-2: Operation of the proposed project could expose noise-sensitive land uses to noise levels that exceed the standards established by the City of Santa Ana General Plan.	MM OZ 4.9-5 Where future residential uses would be construction in areas exposed to noise levels greater than 60 dBA CNEL, prior to issuance of building permits, building plans shall reflect the construction of noise barriers around patios and balconies. The barriers shall be constructed of materials that provide a surface density of at least four pounds per square foot and shall be continuous, without gaps or gates. The height of the barriers shall be sufficient to reduce the exterior noise levels to a CNEL of 65 dBA or less, and shall be determined by a qualified acoustical consultant as part of the final engineering design of the project. MM OZ 4.9-6 Prior to issuance of building permits, building plans shall specify the STC rating of windows and doors for all residential land uses. Window and door ratings shall be sufficient to reduce the interior noise level to a CNEL of 45 dBA or less, and shall be determined by a qualified acoustical consultant as part of the final engineering design of the project. MM OZ 4.9-7 The developer shall provide proper shielding for all new HVAC systems used by the proposed residential and mixed use buildings to achieve an attenuation of 15 dBA at 50 feet from the equipment.	Planning and Building Agency Planning and Building Agency Planning and Building Agency	Project Applicant Project Applicant Project Applicant	Prior to Issuance of Building Permits Prior to Issuance of Building Permits During Project Design and Construction

Table 4-1 Mitigation Monitoring Program for the Metro East Mixed Use Overlay Zone Component

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
Public Services				
Impact 4.11-3: Operation of the proposed project would require new or physically altered facilities to accommodate additional students in Tustin Unified School District (TUSD) schools. This is considered a potentially significant impact.	MM-OZ 4.11-1 Individual project developers shall pay school impact fees prior to the issuance of occupancy permits.	Planning and Building Agency	Project Applicant	Prior to Issuance of Occupancy Permits
Transportation/Traffic				
Impact 4.12-6: The proposed project would not conflict with adopted policies, plans, or programs supporting alternative transportation.	MM-OZ 4.12-1 As part of the project, the City of Santa Ana and the project sponsors shall work with the transit providers to implement various transit-related measures to improve and expand bus system service within the Overlay Zone. These measures may include, but are not limited to, the following: ▪ Adding bus stops to the Overlay Zone along existing and proposed roadways ▪ Changing bus service headways to respond to increased demand ▪ Changing bus service destinations to respond to changing demand ▪ Adding local shuttle service for employees and patrons of the Overlay Zone The details of bus service improvements shall be determined in coordination with OCTA. The following recommendations would help encourage public transit patronage for project-related trips: ▪ Bus Stop Locations—Relocation of existing bus stops and the provision of additional bus stops should be considered to accommodate transit users at convenient locations. ▪ Days of Operation—The City should work with OCTA to consider changes to route times to serve nighttime and weekend project visitors and employees. ▪ Headway—The City should work with OCTA to review route headways to determine if it would be appropriate to reduce them to accommodate transit riders within the Overlay Zone.	Public Works	Public Works	During implementation of the project

Table 4-1 Mitigation Monitoring Program for the Metro East Mixed Use Overlay Zone Component

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
Impact 4.12-7: Implementation of the proposed project would cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system.	MM-OZ 4.12-2 Future development within the proposed Overlay Zone shall prepare separate traffic studies, specific to the individual projects that are proposed. The traffic studies for future projects shall be prepared by a qualified traffic engineer of the City's choosing. Further, and as determined by the traffic studies, the above identified improvement measures shall be implemented as a condition of the proposed development, either through the direct construction of improvements by the project applicant or through payment of a fee, as required by the program detailed in MM-OZ 4.12-4.	Public Works	Project Applicant	Prior to Issuance of Building Permits
	MM-OZ 4.12-3 The City of Santa Ana Planning Department, in cooperation with the Department of Public Works, shall monitor the traffic signals within the Overlay Zone Study Area once every five years to ensure that traffic signal timing is optimized.	Planning and Building Agency/Public Works	Planning and Building Agency/Public Works	Ongoing
	MM-OZ 4.12-4 The City of Santa Ana shall institute a program for systematic mitigation of impacts as development proceeds within the Overlay Zone to ensure mitigation of the individual improvements. The program shall prescribe the method of participation in the mitigation program by individual projects and guide the timely implementation of the mitigation measures. The program should include the following elements: ▪ A funding and improvement program should be established to identify financial resources adequate to construct all identified mitigation measures in a timely basis. ▪ The program should allow for acquisition of entire properties including business relocation where necessary to construct mitigation measures. Funds derived from sale of surplus acquired properties should be returned to the program. ▪ All properties that redevelop within the Overlay Zone should participate in the program on a fair share per new development trip basis. The fair share should be based upon the total cost of all identified mitigation measures, divided by the peak hour trip generation increase forecast. This rate per peak hour trip should be imposed upon the incremental traffic growth for any new development within the Overlay Zone. ▪ The program should include resources to conduct preliminary engineering studies to complete alignment studies and project specific environmental clearances for Tustin Avenue at 17th Street and at 4th Street. ▪ The program should raise funds from full development of the Overlay Zone to	Planning and Building Agency/Public Works	Planning and Building Agency/Public Works	During Implementation of Project

Table 4-1 Mitigation Monitoring Program for the Metro East Mixed Use Overlay Zone Component

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
	fund all identified mitigation measures. ▪ The program should monitor phasing development of the Overlay Zone and defer or eliminate improvements if the densities permitted in the Overlay Zone are not occurring. ▪ Program phasing should be monitored through preparation of specific project traffic impact studies for any project that is expected to include more than 100 dwelling units or 100,000 square feet of non-residential development. Traffic impact studies should use traffic generation rates that are deemed to be most appropriate for the actual development proposed. ▪ The program should initiate project development to assure timely completion of the improvements identified to be needed for the First and Cabrillo Towers project by 2010 or as soon after as practically feasible. ▪ Properties within Santa Ana and within one-half mile of the Overlay Zone that redevelop to result in higher traffic generation should also participate in the program to insure equity. ▪ The program should provide for full construction of projects outside of Santa Ana, if the Overlay Zone will create a traffic impact based upon the CMP. ▪ The program should provide fair share contribution to construction costs of other improvements outside of the Overlay Zone if they are identified in this traffic study but they are not impacted as defined by the CMP. ▪ The fair share contribution would presume participation by other developments outside of the City of Santa Ana (generally within the City of Tustin) in proportion to traffic growth at the affected sites. ▪ Traffic impact studies for future projects shall be prepared by a qualified traffic engineer approved or retained by the City. ▪ The City may elect to implement appropriate mitigation measures as a condition of approval of the proposed developments, where appropriate. All or part of the costs of these improvements may be considered to be a negotiated credit toward the program, however the Program must be administered in a manner that assures that it can fund necessary improvements to maintain adequate level of service at all intersections within this study. If funding of priority improvements cannot be assured, credit for construction of lower priority improvements may not be assured or may be postponed until more Program funds are available. ▪ Traffic studies for future developments within the Overlay Zone must also use			

Table 4-1 Mitigation Monitoring Program for the Metro East Mixed Use Overlay Zone Component

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
	trip generation rates which are specific for these projects and are approved by the City. The traffic consultant preparing traffic studies for specific projects in the Overlay Zone must use City-approved trip generation rates specific to these projects. These studies are subject to City review.			
Utilities and Service Systems				
Impact 4.13-4: Implementation of the Metro East Mixed Use Overlay Zone could require the construction of new or expanded wastewater conveyance systems, the construction of which would not cause significant environmental effects.	MM-OZ 4.13-1 The developer is required to undertake a site-specific sewer evaluation, including flow monitoring and modeling, may be required as part of the project design to determine the adequacy of the existing sewer pipe capacity in the affected project area lines.	Public Works/Orange County Sanitation District	Project Applicant	During Design and Prior to Implementation of the proposed project
Impact 4.13-8: Implementation of the Overlay Zone could increase the demand for electricity and gas, but would not require or result in the construction of new energy production or transmission facilities, the construction of which could cause a significant environmental impact.	MM-OZ 4.13-2 The project shall implement energy conservation measures (such as energy-efficient lighting and micro processor controlled HVAC equipment) to reduce the demand for electricity and natural gas. The energy conservation measures shall be subject to modification as new technologies are developed or if current technology becomes obsolete through replacement.	Planning and Building Agency	Project Applicant	Prior to Issuance of Building Permits

Table 4-2 Mitigation Monitoring Program for the First and Cabrillo Towers Project

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
Aesthetics				
Impact 4.1-3: Implementation of the proposed project would result in new sources of increased daytime glare.	<u>Applicable Overlay Zone Mitigation Measures:</u> MM-OZ 4.1-1 Proposed new structures shall be designed to maximize the use of textured or other non-reflective exterior surfaces and non-reflective glass. <u>Project-Specific Mitigation Measures:</u> No additional mitigation is required.	Planning and Building Agency	Project Applicant	During Project Design and Construction
Impact 4.1-4: Implementation of the proposed project would result in new sources of increased nighttime light.	<u>Applicable Overlay Zone Mitigation Measures:</u> MM-OZ 4.1-2 All exterior lighting and advertising (including signage) shall be directed onto the specific location intended for illumination (e.g., parking lots, driveways, and walkways) and shielded away from adjacent properties and public rights-of-way to minimize light spillover onto adjacent areas. MM-OZ 4.1-3 Prior to issuance of a permit, the applicant shall submit a lighting plan to the City of Santa Ana for review and approval. The plan shall specify the lighting type and placement to ensure that the effects of security and other outdoor lighting are minimized on adjacent uses and do not create spillover effects. The plan shall specifically incorporate the following design features: - Design features to shield light and/or glare from vehicles entering or exiting parking lots and structures that face sensitive uses (e.g., schools, hospitals, senior housing, or other residential properties) by providing barriers so that light from vehicle headlights would not illuminate off-site sensitive uses. - Design features to provide landscaping, physical barriers, screening, or other buffers to minimize project-generated illumination from entering off-site areas and to prevent glare or interference with vehicular traffic, in accordance with the City's Municipal Code. <u>Project-Specific Mitigation Measures:</u> No additional mitigation is required.	Planning and Building Agency Planning and Building Agency	Project Applicant Project Applicant	During Design and Construction Prior to Issuance of Site Development Permit
Air Quality				
Impact 4.2-5: Construction and operation of the proposed project would not create objectionable odors affecting a substantial	<u>Applicable Overlay Zone Mitigation Measures:</u> MM-OZ 4.2-1 Trash receptacles within the project area will be required to have lids that enable convenient collection and loading and will be emptied on a regular basis, in compliance with City of Santa Ana regulations for the collection of solid	Planning and Building Agency	Project Applicant	During Operation

Table 4-2 Mitigation Monitoring Program for the First and Cabrillo Towers Project

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
number of people.	waste. <u>Project-Specific Mitigation Measures:</u> No additional mitigation is required.			
Impact 4.2-6: Construction activities associated with the proposed project would exceed South Coast Air Quality Management District Standards for VOC and NOX, and would result in a projected air quality violation. This is considered a potentially significant impact.	<u>Applicable Overlay Zone Mitigation Measures:</u> MM-OZ 4.2-2 The developer shall require by contract specifications that all diesel-powered equipment used would be retrofitted with after-treatment products (e.g., engine catalysts and other technologies available at the time construction commences) when construction activities commence. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project Applicant	Prior to Construction
	MM-OZ 4.2-3 The developer shall require by contract specifications that all heavy-duty diesel-powered equipment operating and refueling at the project site would use low-NOX diesel fuel to the extent that it is readily available and cost effective (up to 125 percent of the cost of California Air Resources Board diesel) in the South Coast Air Basin at the time construction activities commence. This requirement shall not apply to diesel-powered trucks traveling to and from the project site. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project Applicant	Prior to Construction
	MM-OZ 4.2-4 The developer shall require by contract specifications that alternative fuel construction equipment (i.e., compressed natural gas, liquid petroleum gas, and unleaded gasoline) would be utilized to the extent feasible in the South Coast Air Basin at the time construction activities commence. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project Applicant	Prior to Construction
	MM-OZ 4.2-5 The developer shall require by contract specifications that construction equipment engines will be maintained in good condition and in proper tune per manufacturer's specification for the duration of construction. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project Applicant	Prior to Construction
	MM-OZ 4.2-6 The developer shall require by contract specifications that construction-related equipment, including heavy-duty equipment, motor vehicles, and portable equipment, shall be turned off when not in use for more than five	Planning and Building Agency	Project Applicant	Prior to Construction

Table 4-2 Mitigation Monitoring Program for the First and Cabrillo Towers Project

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
	minutes. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.			
	MM-OZ 4.2-7 The developer shall require by contract specifications that construction operations rely on the electricity infrastructure surrounding the construction site rather than electrical generators powered by internal combustion engines to the extent feasible. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project Applicant	Prior to Construction
	MM-OZ 4.2-8 The developer shall require by contract specifications that construction parking be configured to minimize traffic interference during the construction period and, therefore, reduce idling of traffic. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency/Public Works	Project Applicant	Prior to Construction
	MM-OZ 4.2-9 The developer shall require by contract specifications that temporary traffic controls are provided, such as a flag person, during all phases of construction to maintain smooth traffic flow. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency/Public Works	Project Applicant	Prior to Construction
	MM-OZ 4.2-10 The developer shall require by contract specifications that construction activities that affect traffic flow on the arterial system be scheduled to off-peak hours (10 A.M. to 4 P.M.). Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency/Public Works	Project Applicant	Prior to Construction
	MM-OZ 4.2-11 The developer shall require by contract specifications that dedicated on-site and off-site left-turn lanes on truck hauling routes be utilized for movement of construction trucks and equipment on site and off site to the extent feasible during construction activities. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency/Public Works	Project Applicant	Prior to Construction
	MM-OZ 4.2-12 Upon issuance of building or grading permits, whichever is issued earliest; notification shall be mailed to owners and occupants of all developed land uses within ¼ mile of the Overlay Zone and the individual projects within the Overlay Zone providing a schedule for major construction activities that will occur through the duration of the construction period. In addition, the notification will	Planning and Building Agency	Project Applicant	Upon Issuance of Building or Grading Permits

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Table 4-2 Mitigation Monitoring Program for the First and Cabrillo Towers Project

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Table 4-2 Mitigation Monitoring Program for the First and Cabrillo Towers Project

Impacts	Mitigation Measures	Monitoring Party	Implementing Party	Mitigation Timing
	<u>Project-Specific Mitigation Measures:</u> No additional mitigation is required.			
Impact 4.4-3: Construction activities under the proposed project could result in the disturbance of human remains interred outside of formal cemeteries.	<u>Applicable Overlay Zone Mitigation Measures:</u> MM-OZ 4.4-5 If human remains are unearthed, State Health and Safety Code Section 7050.5 require that no further disturbance shall occur until the County coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner has 24 hours to notify the Native American Heritage Commission (NAHC). The NAHC will then contact the most likely descendant of the deceased Native American, who will then serve as consultant on how to proceed with the remains. <u>Project-Specific Mitigation Measures:</u> No additional mitigation is required.	Planning and Building Agency/NAHC	Project Applicant	During Construction
Geology and Soils				
Impact 4.5-1: Implementation of the proposed project could expose people and/or structures to potentially substantial adverse effects resulting from strong seismic groundshaking.	<u>Applicable Overlay Zone Mitigation Measures:</u> MM-OZ 4.5-1 A site-specific geotechnical study shall be conducted under the direct supervision of a California Registered Engineering Geologist or licensed geotechnical engineer to assess detailed seismic, geological, soil, and groundwater conditions and develop recommendations to prevent or abate any identified hazards. The report shall specify foundation recommendations to ensure issues associated with underlying soils are addressed. Construction of the project shall comply with all recommendations in the geotechnical report. The study shall follow applicable recommendations of CDMG Special Publication 117 where applicable and shall include, but not necessarily be limited to the following: ▪ Determination of the locations of any suspected fault traces and anticipated ground acceleration at the building site ▪ Potential for displacement caused by seismically induced shaking, liquefaction, differential soil settlement, expansive and compressible soils, or other earth movements or soil constraints ▪ Evaluation of depth to groundwater <u>Project-Specific Mitigation Measures:</u> No additional mitigation is required.	Planning and Building Agency	Project Applicant	Prior to Issuance of Grading Permit/During Project Design

Table 4-2 Mitigation Monitoring Program for the First and Cabrillo Towers Project

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
Impact 4.5-5: The proposed development could be located on expansive soil.	<u>Applicable Overlay Zone Mitigation Measures:</u> MM-OZ 4.5-2 The developer shall conduct expansion index tests in accordance with UBC Standard 18-2 prior to project construction. The design of structural elements shall include recommendations set forth by the expansion index tests. <u>Project-Specific Mitigation Measures:</u> No additional mitigation is required.	Planning and Building Agency	Project Applicant	Prior to Project Construction
Hazards and Hazardous Materials				
Impact 4.6-2: Implementation of the proposed project would not result in the exposure of future residents to diesel exhaust emissions, which could pose a significant hazard.	<u>Applicable Overlay Zone Mitigation Measures:</u> MM-OZ 4.6-1 A health risk assessment (HRA) for diesel exhaust shall be prepared. Recommendations contained within the HRA shall be implemented in project design. <u>Project-Specific Mitigation Measures:</u> No additional mitigation is required.	Planning and Building Agency	Project Applicant	Prior to Issuance of Permits/During Project Design
Impact 4.6-3: Construction and operation of the proposed project could expose construction workers or the public to significant health and safety hazards through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment.	<u>Applicable Overlay Zone Mitigation Measures:</u> MM-OZ 4.6-3 In the event that previously unknown or unidentified soil and/or groundwater contamination that could present a threat to human health or the environment is encountered during construction of the proposed project, construction activities in the immediate vicinity of the contamination shall cease immediately. If contamination is encountered, a Risk Management Plan shall be prepared and implemented that (1) identifies the contaminants of concern and the potential risk each contaminant would pose to human health and the environment during construction and post-development and (2) describes measures to be taken to protect workers, and the public from exposure to potential site hazards. Such measures could include a range of options, including, but not limited to, physical site controls during construction, remediation, long-term monitoring, post-development maintenance or access limitations, or some combination thereof. Depending on the nature of contamination, if any, appropriate agencies shall be notified (e.g., City of Santa Ana Fire Department). If needed, a Site Health and Safety Plan that meets Occupational Safety and Health Administration requirements shall be prepared and in place prior to commencement of work in any contaminated area. <u>Project-Specific Mitigation Measures:</u> No additional mitigation is required.	Planning and Building Agency	Project Applicant	During Construction

Table 4-2 Mitigation Monitoring Program for the First and Cabrillo Towers Project

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
Impact 4.6-5: Implementation of the proposed project could result in a safety hazard for people residing or working in the project area.	<u>Applicable Overlay Zone Mitigation Measures:</u> MM-OZ 4.6-4 The applicant shall file a Notice of Proposed Construction or Alteration with the FAA (FAA Form 7460-1). Following the FAA's Aeronautical Study of the project, the project must comply with conditions of approval imposed or recommended by the FAA. Subsequent to the FAA findings, the City shall refer the project to the Airport Land Use Commission (ALUC) for Orange County for consistency analysis. <u>Project-Specific Mitigation Measures:</u> No additional mitigation is required.	Planning and Building Agency /FAA/ALUC	Project Applicant	Project to be reviewed by ALUC between Planning Commission and City Council meetings to discuss project and EIR.
Impact 4.6-6: Construction of the proposed project could interfere with an adopted emergency response plan or emergency evacuation plan.	<u>Applicable Overlay Zone Mitigation Measures:</u> MM-OZ 4.6-5 Prior to initiation of construction activities, the project shall have a completed traffic control plan, prepared by the developer, which will be implemented during construction activities. This may include, but is not limited to, the maintenance of at least one unobstructed lane in both directions on surrounding roadways. At any time only a single lane is available, the developer shall provide a temporary traffic signal, signal carriers (i.e., flagpersons), or other appropriate traffic controls to allow travel in both directions. If construction activities require the complete closure of a roadway segment, the developer shall provide appropriate signage indicating alternative routes. MM-OZ 4.6-6 The City Planning Division shall consult with the Santa Ana Police Department and the Santa Ana Fire Department to disclose temporary closures and alternative travel routes in order to ensure adequate access for emergency vehicles when construction of future projects would result in temporary land or roadway closures. <u>Project-Specific Mitigation Measures:</u> No additional mitigation is required.	Public Works Planning and Building Agency/Police Dept./Fire Dept.	Project Applicant Planning and Building Agency	Prior to/During Construction Prior to/During Construction
Hydrology and Water Quality				
Impact 4.7-1: Implementation of the proposed project would not violate water quality standards, waste discharge, or otherwise substantially degrade water	<u>Applicable Overlay Zone Mitigation Measures:</u> MM-OZ 4.7-1 In order to comply with the 2003 DAMP, a Storm Drain Plan, a Stormwater Pollution Prevention Plan (SWPPP), and a Water Quality Management Plan (WQMP) conforming to the current National Pollution Discharge Elimination System (NPDES) requirements, prepared by a Licensed Civil Engineer or	Public Works	Project Applicant	Prior to issuance of permits

Table 4-2 Mitigation Monitoring Program for the First and Cabrillo Towers Project

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
quality.	Environmental Engineer, shall be submitted to the Department of Public Works for review and approval. (a) A SWPPP shall be prepared and updated as needed during the course of construction to satisfy the requirements of each phase of the development. The plan shall incorporate all necessary Best Management Practices (BMPs) and other City requirements to eliminate polluted runoff until all construction work for the project is completed. The SWPPP shall include treatment and disposal of all dewatering operation flows, and for nuisance flows during construction. (b) A WQMP shall be prepared, maintained, and updated as needed to satisfy the requirements of the adopted NPDES program. The plan shall incorporate water quality measures for all improved phases of the project. (c) Location of the BMPs shall not be within the public right-of-way. <u>Project-Specific Mitigation Measures:</u> No additional mitigation is required.			
Impact 4.7-4: Development of the proposed project could alter the existing drainage pattern and potentially result in increased downstream flooding through the addition of impervious surfaces, or exceeding the capacity of existing or planned stormwater drainage systems.	<u>Applicable Overlay Zone Mitigation Measures from:</u> MM-OZ 4.7-2 Prior to issuance of grading permits, the project applicant shall submit a Hydrology and Hydraulic Study to the Public Works Department for review and approval. If existing facilities are not adequate to handle runoff that may be generated by the proposed development, then the applicant shall propose feasible remedies to assure that adequate drainage facilities will be available prior to issuance of occupancy permits. The applicant may propose storm drain improvements to be constructed in order to meet project needs. If necessary storm drain upgrades cannot be implemented prior to issuance of occupancy permits, on site detention facilities or other methods acceptable to the City shall be included with new development projects to ensure that post-construction runoff does not exceed pre-development quantities. <u>Project-Specific Mitigation Measures:</u> No additional mitigation is required.	Public Works	Project Applicant	Prior to Issuance of Grading Permits
Noise				
Impact 4.9-1 Construction activities associated with the proposed project would generate noise levels that exceed the noise	<u>Applicable Overlay Zone Mitigation Measures:</u> MM-OZ 4.9-1 Construction activities shall be limited to the following general restrictions:	Planning and Building Agency	Project Applicant	During Construction

Table 4-2 Mitigation Monitoring Program for the First and Cabrillo Towers Project

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
standards established by the City of Santa Ana Noise Regulations.	- All construction activity within the City shall be conducted in accordance with Section 18-314(e) of the City of Santa Ana Municipal Code. MM-OZ 4.9-2 The project applicant shall require by contract specifications that the following construction best management practices (BMPs) be implemented by contractors to reduce construction noise levels: - Two weeks prior to the commencement of construction, notification must be provided to surrounding land uses within 1,000 feet of a project site disclosing the construction schedule, including the various types of activities that would be occurring throughout the duration of the construction period. - Ensure that construction equipment is properly muffled according to industry standards and be in good working condition. - Place noise-generating construction equipment and locate construction staging areas away from sensitive uses, where feasible. - Schedule high noise-producing activities between the hours of 8:00 A.M. and 5:00 P.M. to minimize disruption on sensitive uses. - Implement noise attenuation measures to the extent feasible, which may include, but are not limited to, temporary noise barriers or noise blankets around stationary construction noise sources. - Use electric air compressors and similar power tools rather than diesel equipment, where feasible. - Construction-related equipment, including heavy-duty equipment, motor vehicles, and portable equipment, shall be turned off when not in use for more than 30 minutes. - Construction hours, allowable workdays, and the phone number of the job superintendent shall be clearly posted at all construction entrances to allow for surrounding owners and residents to contact the job superintendent. If the City or the job superintendent receives a complaint, the superintendent shall investigate, take appropriate corrective action, and report the action taken to the reporting party. - Contract specifications shall be included in the proposed project construction documents, which shall be reviewed by the City prior to issuance of a grading permit.	Planning and Building Agency	Project Applicant	Prior to Issuance of Grading Permit
	MM-OZ 4.9-3 The project applicant shall require by contract specifications that construction staging areas along with the operation of earthmoving equipment within the project area would be located as far away from vibration and noise	Planning and Building Agency	Project Applicant	Prior to Issuance of Grading Permit

Table 4-2 Mitigation Monitoring Program for the First and Cabrillo Towers Project

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
	sensitive sites as possible. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed by the City prior to issuance of a grading permit. MM-OZ 4.9-4 The project applicant shall require by contract specifications that heavily loaded trucks used during construction would be routed away from residential streets to the extent feasible. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed by the City prior to issuance of a grading permit. <u>Project-Specific Mitigation Measures:</u> No additional mitigation is required.	Planning and Building Agency	Project Applicant	Prior to Issuance of Grading Permit
Impact 4.9-2: Operation of the proposed project would not expose residents on site to noise levels that exceed the standards established by the City of Santa Ana.	<u>Applicable Overlay Zone Mitigation Measures:</u> MM-OZ 4.9-5 Where future residential uses would be construction in areas exposed to noise levels greater than 60 dBA CNEL, prior to issuance of building permits, building plans shall reflect the construction of noise barriers around patios and balconies. The barriers shall be constructed of materials that provide a surface density of at least four pounds per square foot and shall be continuous, without gaps or gates. The height of the barriers shall be sufficient to reduce the exterior noise levels to a CNEL of 65 dBA or less, and shall be determined by a qualified acoustical consultant as part of the final engineering design of the project. MM-OZ 4.9-6 Prior to issuance of building permits, building plans shall specify the STC rating of windows and doors for all residential land uses. Window and door ratings shall be sufficient to reduce the interior noise level to a CNEL of 45 dBA or less, and shall be determined by a qualified acoustical consultant as part of the final engineering design of the project. MM-OZ 4.9-7 The developer shall provide proper shielding for all new HVAC systems used by the proposed residential and mixed use buildings to achieve an attenuation of 15 dBA at 50 feet from the equipment. <u>Project-Specific Mitigation Measures:</u> No additional mitigation is required.	Planning and Building Agency Planning and Building Agency Planning and Building Agency	Project Applicant Project Applicant Project Applicant	Prior to Issuance of Building Permits Prior to Issuance of Building Permits During Project Design and Construction

Table 4-2 Mitigation Monitoring Program for the First and Cabrillo Towers Project

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
	peak hour trip generation increase forecast. This rate per peak hour trip should be imposed upon the incremental traffic growth for any new development within the Overlay Zone. ▪ The program should include resources to conduct preliminary engineering studies to complete alignment studies and project specific environmental clearances for Tustin Avenue at 17th Street and at 4th Street. ▪ The program should raise funds from full development of the Overlay Zone to fund all identified mitigation measures. ▪ The program should monitor phasing development of the Overlay Zone and defer or eliminate improvements if the densities permitted in the Overlay Zone are not occurring. ▪ Program phasing should be monitored through preparation of specific project traffic impact studies for any project that is expected to include more than 100 dwelling units or 100,000 square feet of non-residential development. Traffic impact studies should use traffic generation rates that are deemed to be most appropriate for the actual development proposed. ▪ The program should initiate project development to assure timely completion of the improvements identified to be needed for the First and Cabrillo Towers project by 2010 or as soon after as practically feasible. ▪ Properties within Santa Ana and within one-half mile of the Overlay Zone that redevelop to result in higher traffic generation should also participate in the program to insure equity. ▪ The program should provide for full construction of projects outside of Santa Ana, if the Overlay Zone will create a traffic impact based upon the CMP. ▪ The program should provide fair share contribution to construction costs of other improvements outside of the Overlay Zone if they are identified in this traffic study but they are not impacted as defined by the CMP. ▪ The fair share contribution would presume participation by other developments outside of the City of Santa Ana (generally within the City of Tustin) in proportion to traffic growth at the affected sites. ▪ Traffic impact studies for future projects shall be prepared by a qualified traffic engineer approved or retained by the City. ▪ The City may elect to implement appropriate mitigation measures as a condition of approval of the proposed developments, where appropriate. All or part of the costs of these improvements may be considered to be a negotiated			

Table 4-2 Mitigation Monitoring Program for the First and Cabrillo Towers Project

Impacts	Mitigation Measures	Monitoring Party	Implementing Party	Mitigation Timing
	credit toward the program, however the Program must be administered in a manner that assures that it can fund necessary improvements to maintain adequate level of service at all intersections within this study. If funding of priority improvements cannot be assured, credit for construction of lower priority improvements may not be assured or may be postponed until more Program funds are available. Traffic studies for future developments within the Overlay Zone must also use trip generation rates which are specific for these projects and are approved by the City. The traffic consultant preparing traffic studies for specific projects in the Overlay Zone must use City-approved trip generation rates specific to these projects. These studies are subject to City review. <u>Project-Specific Mitigation Measures:</u> MM 4.12-1 The project applicant shall make a fair share contribution for the construction of an eastbound right turn lane (approximately 300 feet in length) at the intersection of Fourth Street at SR-55 Southbound Ramps prior to the issuance of grading permits. MM 4.12-2 The project applicant shall make a fair share contribution for the construction of a raised median or other means such as diverter islands to prevent eastbound and westbound left turns and through movements at the intersection of Sixth Street at Tustin Avenue prior to the issuance of grading permits.	Public Works	Project Applicant	Prior to Issuance of the first Certificate of Occupancy
		Public Works	Project Applicant	Prior to Issuance of the first Certificate of Occupancy
Impact 4.12-8: The proposed project would not conflict with adopted policies, plans, or programs supporting alternative transportation.	<u>Applicable Overlay Zone Mitigation Measures:</u> MM-OZ 4.12-1 As part of the project, the City of Santa Ana and the project sponsors shall work with the transit providers to implement various transit-related measures to improve and expand bus system service within the Overlay Zone. These measures may include, but are not limited to, the following: - Adding bus stops to the Overlay Zone along existing and proposed roadways - Changing bus service headways to respond to increased demand - Changing bus service destinations to respond to changing demand - Adding local shuttle service for employees and patrons of the Overlay Zone The details of bus service improvements shall be determined in coordination with OCTA. The following recommendations would help encourage public transit patronage for project-related trips: Bus Stop Locations—Relocation of existing bus stops and the provision of additional bus stops should be considered to accommodate transit users at convenient locations.	Public Works	Public Works	During Implementation of the Project

Table 4-2 Mitigation Monitoring Program for the First and Cabrillo Towers Project

<i>Impacts</i>	<i>Mitigation Measures</i>	<i>Monitoring Party</i>	<i>Implementing Party</i>	<i>Mitigation Timing</i>
	Days of Operation—The City should work with OCTA to consider changes to route times to serve nighttime and weekend project visitors and employees. Headway—The City should work with OCTA to review route headways to determine if it would be appropriate to reduce them to accommodate transit riders within the Overlay Zone. <u>Project-Specific Mitigation Measures:</u> No additional mitigation is required			
Utilities and Service Systems				
Impact 4.13-4: Implementation of the Metro East Mixed use Overlay Zone could require the construction of new or expanded wastewater conveyance systems, the construction of which would not cause significant environmental effects.	<u>Applicable Overlay Zone Mitigation Measures:</u> No mitigation is required <u>Project-Specific Mitigation Measures:</u> MM 4.13-4 A 6-inch building lateral shall be installed on-site for the purposes of conveying wastewater flows from the proposed project to the existing OCSD conveyance system.	Public Works	Project Applicant	Prior to issuance of Building Permits
Impact 4.13-8: Implementation of the First and Cabrillo Tower could increase the demand for electricity, but would not require or result in the construction of new energy production or transmission facilities, the construction of which could cause a significant environmental impact.	<u>Applicable Overlay Zone Mitigation Measures:</u> MM-OZ 4.13-2 The project shall implement energy conservation measures (such as energy-efficient lighting and micro processor controlled HVAC equipment) to reduce the demand for electricity and natural gas. The energy conservation measures shall be subject to modification as new technologies are developed or if current technology becomes obsolete through replacement. <u>Project-Specific Mitigation Measures:</u> No additional mitigation is required.	Planning and Building Agency	Project Applicant	Prior to Issuance of Building Permits

MITIGATION MONITORING AND REPORTING PROGRAM FOR THE METRO EAST MIXED-USE OVERLAY DISTRICT EXPANSION AND ELAN DEVELOPMENT PROJECTS

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Mitigation Monitoring and Reporting Program

Introduction

The California Public Resources Code, Section 21081.6, requires that a lead or responsible agency adopt a mitigation monitoring and reporting program (MMRP) when approving or carrying out a project when an environmental impact report (EIR) identifies measures to reduce potential adverse environmental impacts to less-than-significant levels. An EIR has been prepared for the project that addresses the potential environmental impacts, and, where appropriate, recommends measures to mitigate these impacts. As such, an MMRP is required to ensure that the adopted mitigation measures are implemented successfully. As lead agency for the proposed project, the City of Santa Ana (City) is responsible for adoption and oversight of the MMRP. This document plan lists each mitigation measure, describes the methods for implementation and verification, and identifies the responsible party or parties.

Project Overview

The City is proposing to expand the boundaries of the existing approximately 200-acre Metro East Mixed Use (MEMU) Overlay Zone by an additional 33.52 acres, while maintaining the potential development capacity in place. Additionally, the City is considering an application within the expanded MEMU boundaries for the development of a mixed-use project featuring 603 residential apartments and approximately 8,500 square feet (sf) of commercial space on the old Elks Club site at the corner of Lyon and First Street (Elan Project). The MEMU Overlay zoning document would also be updated to refine development standards and allowable land uses. Together these proposals constitute the “proposed project.” The City actions required to approve the proposed project include the following:

- Certify the SEIR and adopt the Mitigation Monitoring and Reporting Program.
- Approve the General Plan Amendment.
- Approve the Zone Change.

Monitoring and Reporting Procedures

The MMRP for the proposed project will be in place through all phases of the project, including design, construction, and operation. The City will be responsible for administering the MMRP and ensuring that all parties comply with its provisions. The City may delegate monitoring activities to staff, consultants, or contractors. The City will also ensure that monitoring is documented through periodic reports and that deficiencies are promptly corrected. The designated environmental monitor will track and document compliance with mitigation measures, note any problems that may result, and take appropriate action to rectify problems.

Mitigation Monitoring and Reporting Program Implementation

Due to the program- and project-level components of this SEIR, the MMRP has been divided into two parts to address each component separately. The mitigation measures that pertain to implementation of the MEMU Overlay District Expansion and their methods of implementation are listed in Table 1. The mitigation measures, which include several mitigation measures from the program-level component, that pertain to the Elan Development Project are listed in Table 2. Certain inspections and reports may require preparation by qualified individuals, and these are specified as needed. The timing and method of verification for each measure are also specified.

It should also be noted that where applicable, mitigation measures from the 2007 Final MEMU EIR were carried forward into this SEIR, and, for some impacts, new mitigation measures were developed (highlighted gray in the tables below). Mitigation measures carried forward from the 2007 Final MEMU EIR maintained their original numbering and naming convention from the MEMU EIR and begin with “MM-OZ” in this MMRP.

Project Contact Information

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Contact Person/Telephone:

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Table 1. Mitigation Monitoring and Reporting Program for the Metro East Mixed-Use Overlay District Expansion

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
AIR QUALITY				
MM-OZ 4.2-2	The developer shall require by contract specifications that all diesel-powered equipment used would be retrofitted with after-treatment products (e.g., engine catalysts and other technologies available at the time construction commences) when construction activities commence. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project applicant	Prior to construction
MM-OZ 4.2-3	The developer shall require by contract specifications that all heavy-duty diesel-powered equipment operating and refueling at the project site would use low-NOx diesel fuel to the extent that it is readily available and cost effective (up to 125 percent of the cost of California Air Resources Board diesel) in the South Coast Air Basin at the time construction activities commence. This requirement shall not apply to diesel-powered trucks traveling to and from the project site. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project applicant	Prior to construction
MM-OZ 4.2-4	The developer shall require by contract specifications that alternative fuel construction equipment (i.e., compressed natural gas, liquid petroleum gas, and unleaded gasoline) would be utilized to the extent feasible in the South Coast Air Basin at the time construction activities commence. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project applicant	Prior to construction

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
MM-OZ 4.2-5	The developer shall require by contract specifications that construction equipment engines will be maintained in good condition and in proper tune per manufacturer's specification for the duration of construction. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project applicant	Prior to construction
MM-OZ 4.2-6	The developer shall require by contract specifications that construction-related equipment, including heavy-duty equipment, motor vehicles, and portable equipment, shall be turned off when not in use for more than 5 minutes. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project applicant	Prior to construction
MM-OZ 4.2-7	The developer shall require by contract specifications that construction operations rely on the electricity infrastructure surrounding the construction site rather than electrical generators powered by internal combustion engines to the extent feasible. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project applicant	Prior to construction
MM-OZ 4.2-8	The developer shall require by contract specifications that construction parking be configured to minimize traffic interference during the construction period and, therefore, reduce idling of traffic. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency/Public Works	Project applicant	Prior to construction
MM-OZ 4.2-9	The developer shall require by contract specifications that temporary traffic controls are provided, such as a flag person, during all phases of construction to maintain smooth traffic flow. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency/Public Works	Project applicant	Prior to construction

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
MM-OZ 4.2-10	The developer shall require by contract specifications that construction activities that affect traffic flow on the arterial system be scheduled to off-peak hours (10:00 A.M. to 4:00 P.M.). Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency/Public Works	Project applicant	Prior to construction
MM-OZ 4.2-11	The developer shall require by contract specifications that dedicated on-site and off-site left-turn lanes on truck hauling routes be utilized for movement of construction trucks and equipment on site and off site to the extent feasible during construction activities. Contract specifications shall be included in the proposed project construction documents, which shall be approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency/Public Works	Project applicant	Prior to construction
MM-OZ 4.2-12	Upon issuance of building or grading permits, whichever is issued earliest, notification shall be mailed to owners and occupants of all developed land uses within ¼ mile of the Overlay Zone and the individual projects within the Overlay Zone providing a schedule for major construction activities that will occur through the duration of the construction period. In addition, the notification will include the identification and contact number for a community liaison and designated construction manager that would be available on site to monitor construction activities. The construction manager shall be responsible for complying with all project requirements related to PM10 generation. The construction manager will be located at the on-site construction office during construction hours for the duration of all construction activities. Contract information for the community liaison and construction manager will be located at the construction office, City Hall, the police department, and a sign on site.	Planning and Building Agency	Project applicant	Upon issuance of building or grading permits

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
MM-OZ 4.2-13	As required by South Coast Air Quality Management District Rule 403–Fugitive Dust, all construction activities that are capable of generating fugitive dust are required to implement dust control measures during each phase of project development to reduce the amount of particulate matter entrained in the ambient air. These measures include: • Limiting the amount of area disturbed during site grading to 10 acres per day • Application of soil stabilizers to inactive construction areas • Quick replacement of ground cover in disturbed areas • Watering of exposed surfaces three times daily • Watering of all unpaved haul roads three times daily • Covering all stock piles with tarp • Reduction of vehicle speed on unpaved roads • Post signs on site, limiting traffic to 15 miles per hour or less • Sweep streets adjacent to the project site at the end of the day if visible soil material is carried over to adjacent roads • Cover or have water applied to the exposed surface of all trucks hauling dirt, sand, soil, or other loose materials prior to leaving the site to prevent dust from impacting the surrounding areas • Install wheel washers where vehicles enter and exit unpaved roads onto paved roads to wash off trucks and any equipment leaving the site each trip	Planning and Building Agency	Project applicant	During grading, construction and project implementation
MM-OZ 4.2-14	The developer shall require by contract specifications that the architectural coating (paint and primer) products used would have a VOC rating of 100 grams per liter or less. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed and approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project applicant	Prior to construction

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
MM-OZ 4.2-15	The developer shall require by contract specifications that materials that do not require painting be used during construction to the extent feasible. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed and approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project applicant	Prior to construction
MM-OZ 4.2-16	The developer shall require by contract specifications that pre-painted construction materials be used to the extent feasible. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed and approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project applicant	Prior to construction
MM AQ-1	All applicants proposing development of projects within the MEMU Overlay Zone and expansion area shall require their contractors, as a condition of contract, to further reduce construction-related exhaust emissions by ensuring that all off-road equipment greater than 50 horsepower (hp) and operating for more than 20 total hours over the entire duration of construction activities shall operate on an EPA-approved Tier 4 or newer engine. Exemptions can be made for specialized equipment where Tier 4 engines are not commercially available within 200 miles of the MEMEU Overlay Zone and expansion area. The construction contract must identify these pieces of equipment, document their unavailability, and ensure that they operate on no less than an EPA-approved Tier 3 engine.	Planning and Building Agency	Project applicant	Prior to construction
MM-AQ-2	All applicants proposing development of projects within the MEMU Overlay Zone and expansion area shall require their contractors, as a condition of contract, to use diesel trucks that have 2010 model year or newer engines. In the event that 2010 model year or newer diesel trucks cannot be obtained, the contractor must provide documentation to the City showing that a good faith effort to locate such engines was conducted. If the lead agency determines that 2010 model year diesel trucks are not feasible, supported by substantial evidence in the record, then the lead agency shall require the use of trucks that meet EPA 2007 model year NOx emissions requirements, at a minimum.	Planning and Building Agency	Project applicant	Prior to construction

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
MM-AQ-3	All applicants proposing development of projects within the MEMU Overlay Zone and expansion area shall require their contractors, as a condition of contract, to reduce construction-related fugitive VOC emissions by ensuring that low-VOC coatings that have a VOC content of 10 grams/liter (g/L) or less are used during construction. The project applicant will submit evidence of the use of low-VOC coatings to SCAQMD prior to the start of construction.	Planning and Building Agency	Project applicant	Prior to construction
CULTURAL RESOURCES				
MM-OZ 4.4-1	The City of Santa Ana shall require as part of the environmental review of development projects within the Overlay Zone Expansion Area that impacts to potentially significant historical resources be considered. If any existing structures on a proposed development site are at or approaching 50 or more years of age at the time of CEQA review, the City shall retain the services of a qualified architectural historian to conduct a field survey of the structure in question and technical study to determine its potential historical potential significance and develop mitigation measures as necessary.	Planning and Building Agency	Project applicant	During environmental review of future projects
MM-OZ 4.4-2	Due to the lack of cultural resource studies for the Overlay Zone Expansion Area, and in order to avoid damaging any unidentified cultural resources, a qualified archaeologist would be retained to monitor any significant ground-disturbing activities in undeveloped areas within the Expansion Area, and any deep (10" or deeper) ground-disturbing activities in all areas of the Expansion Area.	Planning and Building Agency	Project applicant	During construction
MM-OZ 4.4-3	In the event that archaeological resources are unearthed during project subsurface activities, all earth-disturbing work within a 100-meter radius must be temporarily suspended or redirected until an archaeologist has evaluated the nature and significance of the find. After the find has been appropriately mitigated, work in the area may resume.	Planning and Building Agency	Project applicant	During construction
MM-OZ 4.4-5	If human remains are unearthed, State Health and Safety Code Section 7050.5 requires that no further disturbance shall occur until the County coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section	Planning and Building Agency/NAHC	Project applicant	During construction

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	5097.98. If the remains are determined to be of Native American descent, the coroner has 24 hours to notify the Native American Heritage Commission (NAHC). The NAHC will then contact the most likely descendant of the deceased Native American, who will then serve as consultant on how to proceed with the remains.			
MM-CUL-1	A qualified paleontologist shall review the paleontological records search prepared by the Vertebrate Paleontology Section of the Los Angeles County Natural History Museum for the Elan Project. For proposed projects in the MEMU Overlay Zone expansion area, a paleontological records search from the Los Angeles County Natural History Museum shall be required if a proposed project would involve grading or excavation that could disturb older Quaternary sediments with high paleontological resource sensitivity below the uppermost few feet of younger Quaternary surface sediments. For any such project within the MEMU Overlay Zone expansion area, a qualified paleontologist shall review the paleontological records search. To ensure recovery of fossil remains before they are lost or destroyed, the following additional measures shall be implemented for the Elan Project and for any projects within the MEMU Overlay Zone Expansion Area that have potential to disturb sediments with high paleontological sensitivity below the uppermost few feet of surface sediments: - All construction activities with potential to disturb sediments below the uppermost few feet of surface sediments shall be monitored by an Orange County-certified professional paleontologist (qualified paleontologist). - A qualified paleontologist shall attend preconstruction meetings to consult with the grading and excavation contractors concerning excavation schedules, paleontological field techniques, and safety issues. All construction personnel shall receive training provided by a qualified paleontologist experienced in teaching non-specialists to ensure that they can recognize fossil materials in the event any are discovered during construction. - A qualified paleontologist shall conduct onsite paleontological monitoring of all grading and excavation activities with	Planning and Building Agency/ Qualified Paleontologist	Project applicant	Prior to construction and during construction

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	potential to disturb paleontologically sensitive sediments below the uppermost few feet of surface sediments. Monitoring shall include inspection of exposed surfaces and microscopic examination of matrix to determine if fossils are present. The monitor shall have authority to divert grading away from exposed fossils temporarily in order to recover the fossil specimens. Cooperation and assistance from onsite personnel will greatly assist timely resumption of work in the area of the fossil discovery. • If fossil remains are discovered during project-related construction, activities in the vicinity of the find shall stop immediately until a qualified professional paleontologist can assess the nature and importance of the find and a qualified professional paleontologist can recommend appropriate treatment. Treatment may include preparation and recovery of fossil materials so that they can be housed in an appropriate museum or university collection and may also include preparation of a report for publication describing the finds. The City shall be responsible for ensuring that recommendations regarding treatment and reporting are implemented. The work shall be conducted in conformance with the Orange County guidelines as defined in Eisentraut and Cooper (2002) and meet the requirements for recovery, salvage, laboratory preparation, preparation to the point of taxonomic identification, transferal, and preparation and submittal. • Fossil remains collected during the monitoring and salvage portion of the program shall be cleaned, repaired, sorted, and catalogued. • Prepared fossils, along with copies of all pertinent field notes, photos, and maps, shall be deposited (as a donation) in a scientific institution with permanent paleontological collections. • A final data recovery report shall be completed that outlines the results of the monitoring program. This report will include			

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	discussions of the methods used, stratigraphic section(s) exposed, fossils collected, and significance of recovered fossils.			
GREENHOUSE GAS EMISSIONS				
MM-GHG-1	The following improvements should be implemented to encourage cycling within the planning area: - Projects should be within at least 0.5 mile of an existing/planned Class I or Class II bike lane and include a network that provides connection to existing off-site facilities. Bicycle routes should also connect to all streets contiguous with the project site; the route should have minimum conflicts with automobile parking and circulation facilities. All streets internal to the project wider than 75 feet should have Class II bicycle lanes on both sides. - Bike parking should be provided at nonresidential projects (one bike rack space per 20 vehicle/employee parking spaces) and multi-unit residential projects (one long-term bicycle parking space for each unit without a garage). Long-term facilities should be provided at multi-unit residential developments and consist of a bicycle locker, locked room with standard racks, or a standard rack location that is staffed or monitored. - Non-residential projects should provide “end-of-trip” facilities, including showers, lockers, and changing spaces. - Bike-share infrastructure installation.	Planning and Building Agency	Project applicant	During environmental review of future projects
MM-GHG-2	The following improvements will be implemented, when feasible, to achieve more energy-efficient operations within the planning area: - Projects should exceed Title 24 requirements by at least 20 percent. - Projects will, to the extent feasible, incorporate on-site renewable energy systems, including solar, wind, geothermal, low-impact hydro, and biomass and bio-gas strategies. - Projects will incorporate water and energy saving measures into the project design, including, but not limited to, the following:	Planning and Building Agency	Project applicant	During project design and construction

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	- Installation of low-water-use appliances, - Use of only natural gas or electric stoves, - Installation of EnergyStar-labeled roof materials, - Installation of highly reflective cool roofing materials, - Installation of electrical outlets at exterior areas, - Use of energy-efficient appliances (e.g., EnergyStar), - Installation of shading mechanisms for windows, patios, and walkways, and - Installation of programmable thermostats. - Projects will “weatherize” any existing structures to achieve energy savings. Weatherization strategies can include sealing air ducts, insulating, glazing windows, and tuning up or replacing air-conditioning and heating equipment.			
MM-GHG-3	Where feasible, SCE-owned streetlights within the planning area will be purchased by the City, and the high-pressure sodium fixtures will be replaced with LED fixtures. Those streetlights within the planning area that are currently owned by the City will also be replaced with LED fixtures.	Planning and Building Agency/ Public Works	Project applicant/ Public Works	During environmental review of future projects
MM-GHG-4	Where feasible and applicable, projects within the planning area will incorporate rain barrels and rainwater re-use practices into project design.	Planning and Building Agency	Project applicant	During project design and construction
MM-GHG-5	The following measures should be implemented to reduce water use and electricity associated with water-intensive plants: - Drought-resistant native plants, as well as plants with low emissions and high carbon sequestration potential, should substitute landscaping with turf grass and other water-intensive vegetation. - Vegetable gardens, bunch grass, and low-water landscaping should be encouraged for development within the planning area.	Planning and Building Agency	Project applicant	During project design and construction
MM-GHG-6	The following measures would be implemented by future development projects in the MEMU Overlay Zone to the extent practicable to improve pedestrian safety and encourage walking to and from the project area:	Planning and Building Agency	Project applicant	During environmental review of future projects

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	- Projects shall provide a pedestrian access network that links all internal uses to all existing/planned external streets and pedestrian facilities contiguous with the project site, where applicable. The route connecting internal and external networks should have minimal conflict with parking and circulation facilities. - All internal and adjacent sidewalks associated with a project should be a minimum of 5 feet wide, with vertical curbs, where applicable. - Where feasible, pedestrian barriers should be minimized using grade separation, wider sidewalks, and traffic calming. In addition, physical barriers such as walls, landscaping, and slopes between facilities that impede pedestrian movement should be avoided.			
HAZARDS AND HAZARDOUS MATERIALS				
MM-OZ 4.6-2	Prior to the issuance of grading permits on any project site, the developer(s) shall: - Investigate the project site to determine whether it or immediately adjacent areas have a record of hazardous materials contamination via the preparation of a preliminary environmental site assessment (ESA), which shall be submitted to the City for review. If contamination is found, the report shall characterize the site according to the nature and extent of contamination that is present before development activities proceed at that site. - If contamination is determined to be onsite, the City, in accordance with appropriate regulatory agencies, shall determine the need for further investigation and/or remediation of the soils conditions on the contaminated site. If further investigation or remediation is required, it shall be the responsibility of the site developer(s) to complete such investigation and/or remediation prior to construction of the project. - If remediation is required as identified by the local oversight agency, it shall be accomplished in a manner that reduces risk	Planning and Building Agency	Project applicant	Prior to issuance of grading permits

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	to below applicable standards and shall be completed prior to issuance of any occupancy permits.			
MM-OZ 4.6-3	In the event that previously unknown or unidentified soil and/or groundwater contamination that could be present a threat to human health or the environment is encountered during construction of the proposed project, construction activities in the immediate vicinity of the contamination shall cease immediately. If contamination is encountered, A Risk Management Plan shall be prepared and implemented that (1) identifies the contaminants of concern and the potential risk each contaminant would pose to human health and the environment during construction and post-development and (2) describes measures to be taken to protect workers, and the public from exposure to potential site hazards. Such measures could include a range of options, including, but not limited to, physical site controls during construction, remediation, long-term monitoring, post-development maintenance or access limitations, or some combination thereof. Depending on the nature of contamination, if any, appropriate agencies shall be notified (e.g., City of Santa Ana Fire Department). If needed, a Site Health and Safety Plan that meets Occupational Safety and Health Administration requirements shall be prepared and in place prior to commencement of work in any contaminated area.	Planning and Building Agency	Project applicant	During construction
MM-OZ 4.6-5	Prior to initiation of construction activities, any development within the Overlay Zone shall have a completed traffic control plan, prepared by the developer that will be implemented during construction activities. This may include, but is not limited to, the maintenance of at least one unobstructed lane in both directions on surrounding roadways. At any time only a single lane is available, the developer shall provide a temporary traffic signal, signal carriers (i.e. flagpersons), or other appropriate traffic controls to allow travel in both directions. If construction activities require the complete closure of a roadway segment, the developer should provide appropriate signage indicating alternative routes.	Public Works	Project applicant	Prior to/during construction
MM-OZ 4.6-6	The City Planning Department shall consult with the Santa Ana Police Department and the Santa Ana Fire Department to disclose temporary closures and alternative travel routes in order to ensure	Planning and Building Agency/Police	Planning and Building Agency	Prior to/during construction

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	adequate access for emergency vehicles when construction of future projects would result in temporary land or roadway closures.	Dept./Fire Dept.		
MM-OZ 4.6-7	The Santa Ana Fire Department, in consultation with other applicable City Departments (e.g. Police), shall update their Emergency Preparedness Plan prior to occupancy of the first project developed under the Overlay Zone, to address potential for accidental release of hazardous materials that may be used, stored, and/or transported in association with operation of project implementation.	Fire Dept./Police Dept./Planning and Building Agency	Fire Department	Prior to occupancy of the first project developed under the Overlay Zone
HYDROLOGY AND WATER QUALITY				
MM-OZ 4.7-1	In order to comply with the 2003 DAMP, future development projects in the Overlay Zone shall prepare Storm Drain Plans, Stormwater Pollution Prevention Plans (SWPPP), and Water Quality Management Plans (WQMP) conforming to the current National Pollution Discharge Elimination System (NPDES) requirements, prepared by a Licensed Civil Engineer or Environmental Engineer, shall be submitted to the Department of Public Works for review and approval. (a) SWPPP shall be prepared and updated as needed during the course of construction to satisfy the requirements of each phase of the development. The plan shall incorporate all necessary Best Management Practices (BMPs) and other City requirements to eliminate polluted runoff until all construction work for the project is completed. The SWPPP shall include treatment and disposal of all dewatering operations flows, and for nuisance flows during construction. (b) A WQMP shall be prepared, maintained, and updated as needed to satisfy the requirements of the adopted NPDES program. The plan shall incorporate water quality measures for all improved phases of the project. (c) Location of the BMPs shall not be within the public right-of-way.	Public Works	Project applicant	Prior to issuance of permits

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
MM-OZ 4.7-2	Prior to issuance of grading permits, future development projects in the Overlay Zone shall submit a Hydrology and Hydraulic Study to the Public Works Department for review and approval. If existing facilities are not adequate to handle runoff that may be generated by the proposed development, then the applicant shall propose feasible remedies to assure that adequate drainage facilities will be available prior to issuance of occupancy permits. The applicant may propose storm drain improvements to be constructed in order to meet project needs. If necessary storm drain upgrades cannot be implemented prior to issuance of occupancy permits, on site detention facilities or other methods acceptable to the City shall be included with new development projects to ensure that post-construction runoff does not exceed pre-development quantities.	Public Works	Project applicant	Prior to issuance of grading permit
NOISE				
MM-OZ 4.9-1	Construction activities shall be limited to the following general restrictions. In the event that there is a conflict between the City of Santa Ana Municipal Code and the City of Tustin Municipal Code, the more restrictive measures shall be applied: - All construction activity within the City shall be conducted in accordance with Section 18-314(e) of the City of Santa Ana Municipal Code. - All construction activity within 200 feet of the City of Tustin Border shall be conducted in accordance with Section 4617(e) of the City of Tustin Municipal Code.	Planning and Building Agency	Project applicant	During construction
MM-OZ 4.9-2	The project applicant shall require by contract specifications that the following construction best management practices (BMPs) be implemented by contractors to reduce construction noise levels: Two weeks prior to the commencement of construction, notification must be provided to surrounding land uses within 1,000 feet of a project site disclosing the construction schedule, including the various types of activities that would be occurring throughout the duration of the construction period.	Planning and Building Agency	Project applicant	Prior to issuance of grading permit

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	• Ensure that construction equipment is properly muffled according to industry standards and be in good working condition. • Place noise-generating construction equipment and locate construction staging areas away from sensitive uses, where feasible. • Schedule high noise-producing activities between the hours of 8:00 A.M. and 5:00 P.M. to minimize disruption on sensitive uses. • Implement noise attenuation measures to the extent feasible, which may include, but are not limited to, temporary noise barriers or noise blankets around stationary construction noise sources. • Use electric air compressors and similar power tools rather than diesel equipment, where feasible. • Construction-related equipment, including heavy-duty equipment, motor vehicles, and portable equipment, shall be turned off when not in use for more than 30 minutes. • Construction hours, allowable workdays, and the phone number of the job superintendent shall be clearly posted at all construction entrances to allow for surrounding owners and residents to contact the job superintendent. If the City or the job superintendent receives a complaint, the superintendent shall investigate, take appropriate corrective action, and report the action taken to the reporting party. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed by the City prior to issuance of a grading permit.			
MM-OZ 4.9-3	The project applicant shall require by contract specifications that construction staging areas along with the operation of earthmoving equipment within the project area would be located as far away from vibration and noise sensitive sites as possible. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed by the City prior to issuance of a grading permit.	Planning and Building Agency	Project applicant	Prior to issuance of grading permit

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
MM-OZ 4.9-4	The project applicant shall require by contract specifications that heavily loaded trucks used during construction would be routed away from residential streets to the extent feasible. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed by the City prior to issuance of a grading permit.	Planning and Building Agency	Project applicant	Prior to issuance of grading permit
MM-OZ 4.9-6	Prior to issuance of building permits, building plans shall specify the STC rating of windows and doors for all residential land uses. Window and door ratings shall be sufficient to reduce the interior noise level to a CNEL of 45 dBA or less, and shall be determined by a qualified acoustical consultant as part of the final engineering design of the project.	Planning and Building Agency	Project applicant	Prior to issuance of building permits
MM-OZ 4.9-7	The developer shall provide proper shielding for all new HVAC systems used by the proposed residential and mixed use buildings to achieve an attenuation of 15 dBA at 50 feet from the equipment.	Planning and Building Agency	Project applicant	During project design and construction
MM-NOI-1	Where future residential uses would be constructed in areas exposed to noise, exterior noise control shall be provided as necessary to comply with the City's exterior noise guideline of 65 dB CNEL, as specified in the Noise Element of the General Plan. The noise control requirements, if any, shall be determined by a qualified acoustical consultant as part of the final engineering design of the project and shall be included on the building plans prior to issuance of building permits. It is noted that exterior living space for multi-family developments may be provided as a combination of private space (patios, balconies, etc.) and common areas (playgrounds, pool areas, etc.). As a result, it may not be necessary to provide noise control at all private areas, provided sufficient common area is included within the project.	Planning and Building Agency	Project applicant	Prior to issuance of building permits
TRANSPORTATION/TRAFFIC				
MM-OZ 4.12-1	As part of the project, the City of Santa Ana and the project sponsors shall work with the transit providers to implement various transit-related measures to improve and expand bus system service within the Overlay Zone. These measures may include, but are not limited to, the following:	Public Works	Public Works	During implementation of the project

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	- Adding bus stops to the Overlay Zone along existing and proposed roadways - Changing bus service headways to respond to increased demand - Changing bus service destinations to respond to changing demand - Adding local shuttle service for employees and patrons of the Overlay Zone The details of bus service improvements shall be determined in coordination with OCTA. The following recommendations would help encourage public transit patronage for project related trips: Bus Stop Locations – Relocation of existing bus stops and the provision of additional bus stops should be considered to accommodate transit users at convenient locations. Days of Operation – The City should work with OCTA to consider changes to route lines to serve nighttime and weekend project visitors and employees. Headway – The City should work with OCTA to review route headways to determine if it would be appropriate to reduce them to accommodate transit riders within the Overlay Zone.			
MM-OZ 4.12-2	Future development within the proposed Overlay Zone shall prepare separate traffic studies specific to the individual projects that are proposed. The traffic studies for future projects shall be prepared by a qualified traffic engineer of the City's choosing. Further, and as determined by the traffic studies, the above identified improvement measures shall be implemented as a condition of the proposed development, either through the direction construction of improvements by the project applicant or through payment of a fee, as required by the program detailed in MM-OZ 4.12-4.	Public Works	Project applicant	Prior to issuance of building permits
MM-OZ 4.12-3	The City of Santa Ana Planning Department, in cooperation with the Department of Public Works, shall monitor the traffic signals within the Overlay Zone Study Area once every five years to ensure that traffic signal timing is optimized.	Planning and Building Agency/Public Works	Planning and Building Agency/Public Works	Ongoing

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
MM-OZ 4.12-4	The City of Santa Ana shall institute a program for systematic mitigation of impacts as development proceeds within the Overlay Zone to ensure mitigation of the individual improvements. The program shall prescribe the method of participation in the mitigation program by individual projects and guide the timely implementation of the mitigation measures. The program should include the following elements: • A funding and improvement program should be established to identify financial resources adequate to construct all identified mitigation measures in a timely basis. • The program should allow for acquisition of entire properties including business relocation where necessary to construct mitigation measures. Funds derived from sale of surplus acquired properties should be returned to the program. • All properties that redevelop within the Overlay Zone should participate in the program on a fair share per new development trip basis. The fair share should be based upon the total cost of all identified mitigation measures, divided by the peak hour trip generation increase forecast. This rate peak hour trip should be imposed upon the incremental traffic growth for any new development within the Overlay Zone. • The program shall include resources to conduct preliminary engineering studies to complete alignment studies and project specific environmental clearances for Tustin Avenue at Seventeenth Street and at Fourth Street. • The program should raise funds from full development of the Overlay Zone to fund all identified mitigation measures. • The program should monitor phasing development of the Overlay Zone and defer or eliminate improvements if the densities permitted in the Overlay Zone are not occurring. • Program phasing should be monitored through preparation of a specific project traffic impact studies for any project that is expected to include more than 100 dwelling units or 100,000 square feet of non-residential development. Traffic impact studies should use traffic generation rates that are deemed to be most appropriate for the actual development proposed.	Planning and Building Agency/Public Works	Planning and Building Agency/Public Works	During implementation of project

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	- The program should initiate project development to assure timely completion of the improvements identified to be needed for the First and Cabrillo Towers project by 2010 or as soon after as practically feasible. - Properties within Santa Ana and within one-half mile of the Overlay Zone that redevelop to result in higher traffic generation should also participate in the program to insure equity. - The program should provide for full construction of projects outside of Santa Ana, if the Overlay Zone will create a traffic impacted based upon the CMP. - The program should provide fair share contribution to construction costs of other improvements outside of the Overlay Zone if they are identified in this traffic study but they are not impacted as defined by the CMP. - The fair share contribution would presume participation by other developments outside of the City of Santa Ana (generally within the City of Tustin) in proportion to traffic growth at the affected sites. - Traffic impact studies for future projects shall be prepared by a qualified traffic engineer approved or retained by the City. - The City may elect to implement appropriate mitigation measures as a condition of approval of the proposed developments, where appropriate. All or part of the costs of these improvements may be considered to be a negotiated credit toward the program, however the program must be administered in a manner that assures that it can fund necessary improvements to maintain adequate level of service at all intersections within this study. If funding of priority improvements cannot be assured, credit for construction of lower priority improvements may not be assured or may be postponed until more program funds are available. - Traffic studies for future developments within the Overlay Zone must also use trip generation rates which are specific for these projects and are approved by the City. The traffic consultant preparing traffic studies for specific projects in the			

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	Overlay Zone must use City-approved trip generation rates specific to these projects. These studies are subject to City review.			
MM-TRA-1	The following improvements shall be installed prior to 2040, as the projected facilities are forecasted to be affected. Timing and funding of these improvements shall be based on a program as outlined in mitigation measure MM-OZ 4.12-4 (and included in the original MEMU EIR). • Standard Avenue & First Street – widen northbound approach and reconfigure to provide one left-turn lane, two through lanes, and one right-turn lane, and widen the southbound approach and reconfigure to provide one left-turn lane and one shared through and right-turn lane, along with two receiving lanes that merge back to one lane. • Grand Avenue & Santa Ana Boulevard – convert westbound shared through and right-turn lane to a right-turn only lane and include an overlap right-turn phasing by prohibiting the southbound U-turn movement. • Grand Avenue & Fourth Street – widen northbound approach to include an additional through lane and provide an additional receiving lane on the north leg of the intersection. Convert eastbound shared through and right-turn lane to a through lane and construct a right-turn lane. • Grand Avenue & First Street – widen northbound approach to provide two left-turn lanes, three through lanes, and one right-turn lane. Widen westbound approach to provide two left-turn lanes, three through lanes, and one right-turn lane by extending the current right-turn pocket and providing a westbound right-turn overlap signal phasing. • Lyon Street & First Street – widen northbound approach to provide one left-turn lane, one shared through and left-turn lane, and one right-turn lane with a right-turn signal overlap phasing and split signal phasing for the north-south approaches. Widen eastbound approach to convert the shared through and right-turn lane into a third through lane and construct a new right-turn lane.	Planning and Building Agency/Public Works	Planning and Building Agency/Public Works	Prior to 2040

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	• Mabury Street/Elk Lane & First Street – widen northbound approach to provide a second right-turn lane, widen the southbound approach to provide a second southbound right-turn lane, and widen the eastbound approach to construct a dedicated eastbound right-turn lane. • Elk Lane at Chestnut Avenue/Main Street – converted to a signalized intersection. • Tustin Avenue at Fourth Street – widen northbound approach to construct a dedicated northbound right-turn lane with a right-turn overlap signal phasing and prohibit the westbound U-turn movement. • SR-55 southbound ramp at Fourth Street – construct an eastbound free right-turn lane. Right-of-way is required for the construction of the eastbound free right-turn lane. This improvement is subject to the review and approval of the City of Tustin and/or Caltrans. • SR-55 northbound ramps at Irvine Boulevard – restripe eastbound approach to provide two left-turn lanes and two through lanes. This improvement is subject to the review and approval of the City of Tustin and/or Caltrans. • Yorba Street at First Street – reinstate the westbound through lane that is planned to be removed to provide the one through lane and one shared through and right-turn lane in the westbound approach as existing conditions. This improvement is subject to the review and approval of the City of Tustin and/or Caltrans. • B Street at First Street – reinstate the westbound through lane that is planned to be removed to provide the one through lane and one shared through and right-turn lane in the westbound approach as existing conditions. This improvement is subject to the review and approval of the City of Tustin and/or Caltrans. • El Camino Real at First Street – restripe the northbound right-turn lane to a shared left- and right-turn lane and change the northbound/southbound signal phasing from permitted to			

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	split phasing. This improvement is subject to the review and approval of the City of Tustin and/or Caltrans. • Prospect Avenue at First Street – reinstate the westbound through lane that is planned to be removed to provide the one through lane and one shared through and right-turn lane in the westbound approach as existing conditions. This improvement is subject to the review and approval of the City of Tustin and/or Caltrans. • Newport Avenue at Irvine Boulevard – convert the northbound right-turn lane signal phasing to an overlap signal phasing and prohibit the westbound U-turn movement. This improvement is subject to the review and approval of the City of Tustin and/or Caltrans.			
TRIBAL CULTURAL RESOURCES				
MM-OZ 4.4-2	Due to the lack of cultural resource studies for the Overlay Zone Expansion Area, and in order to avoid damaging any unidentified cultural resources, a qualified archaeologist would be retained to monitor any significant ground-disturbing activities in undeveloped areas within the Expansion Area, and any deep (10" or deeper) ground-disturbing activities in all areas of the Expansion Area.	Planning and Building Agency	Project applicant	During construction
MM-OZ 4.4-3	In the event that archaeological resources are unearthed during project subsurface activities, all earth-disturbing work within a 100-meter radius must be temporarily suspended or redirected until an archaeologist has evaluated the nature and significance of the find. After the find has been appropriately mitigated, work in the area may resume.	Planning and Building Agency	Project applicant	During construction
MM-OZ 4.4-5	If human remains are unearthed, State Health and Safety Code Section 7050.5 requires that no further disturbance shall occur until the county coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner has 24 hours to notify the Native American Heritage Commission (NAHC). The NAHC will then contact the	Planning and Building Agency/NAHC	Project applicant	During construction

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	most likely descendant of the deceased Native American, who will then serve as consultant on how to proceed with the remains.			
MM-TCR-1	In the event that a tribal cultural resource is unexpectedly identified during the course of a proposed project, and the City determines that the project may cause a substantial adverse change to a tribal cultural resource, the City will employ one or more of the following standard mitigation measures: 1. Avoidance and preservation of the resource in place, including, but not limited to, planning and construction to avoid the resource and protect the cultural and natural context, or planning greenspace, parks, or other open space, to incorporate the resource with culturally appropriate protection and management criteria. 2. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following: (a) Protecting the cultural character and integrity of the resource (b) Protecting the traditional use of the resource (c) Protecting the confidentiality of the resource 3. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places protecting the resource. 4. Protecting the resource.	Planning and Building Agency	Project applicant	During construction

Table 2. Mitigation Monitoring and Reporting Program for the Elan Development Project

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
AIR QUALITY				
MM-OZ 4.2-14	The developer shall require by contract specifications that the architectural coating (paint and primer) products used would have a VOC rating of 100 grams per liter or less. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed and approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project applicant	Prior to construction
MM-OZ 4.2-15	The developer shall require by contract specifications that materials that do not require painting be used during construction to the extent feasible. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed and approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project applicant	Prior to construction
MM-OZ 4.2-16	The developer shall require by contract specifications that pre-painted construction materials be used to the extent feasible. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed and approved by the City of Santa Ana Planning and Building Agency staff.	Planning and Building Agency	Project applicant	Prior to construction
MM-AQ-3	All applicants proposing development of projects within the MEMU Overlay Zone and expansion area shall require their contractors, as a condition of contract, to reduce construction-related fugitive VOC emissions by ensuring that low-VOC coatings that have a VOC content of 10 grams/liter (g/L) or less are used during construction. The project applicant will submit evidence of the use of low-VOC coatings to SCAQMD prior to the start of construction.	Planning and Building Agency	Project applicant	Prior to construction
CULTURAL RESOURCES				
MM-OZ 4.4-2	Due to the lack of cultural resource studies for the Overlay Zone Expansion Area, and in order to avoid damaging any unidentified cultural resources, a qualified archaeologist would be retained to monitor any significant ground-disturbing activities in undeveloped areas within the Expansion Area, and any deep (10" or deeper) ground-disturbing activities in all areas of the Expansion Area.	Planning and Building Agency	Project applicant	During construction

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
MM-OZ 4.4-3	In the event that archaeological resources are unearthed during project subsurface activities, all earth-disturbing work within a 100-meter radius must be temporarily suspended or redirected until an archaeologist has evaluated the nature and significance of the find. After the find has been appropriately mitigated, work in the area may resume.	Planning and Building Agency	Project applicant	During construction
MM-OZ 4.4-5	If human remains are unearthed, State Health and Safety Code Section 7050.5 requires that no further disturbance shall occur until the County coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner has 24 hours to notify the Native American Heritage Commission (NAHC). The NAHC will then contact the most likely descendant of the deceased Native American, who will then serve as consultant on how to proceed with the remains.	Planning and Building Agency/NAHC	Project applicant	During construction
MM-CUL-1	A qualified paleontologist shall review the paleontological records search prepared by the Vertebrate Paleontology Section of the Los Angeles County Natural History Museum for the Elan Project. For proposed projects in the MEMU Overlay Zone expansion area, a paleontological records search from the Los Angeles County Natural History Museum shall be required if a proposed project would involve grading or excavation that could disturb older Quaternary sediments with high paleontological resource sensitivity below the uppermost few feet of younger Quaternary surface sediments. For any such project within the MEMU Overlay Zone expansion area, a qualified paleontologist shall review the paleontological records search. To ensure recovery of fossil remains before they are lost or destroyed, the following additional measures shall be implemented for the Elan Project and for any projects within the MEMU Overlay Zone Expansion Area that have potential to disturb sediments with high paleontological sensitivity below the uppermost few feet of surface sediments: • All construction activities with potential to disturb sediments below the uppermost few feet of surface sediments shall be monitored by an Orange County-certified professional paleontologist (qualified paleontologist). • A qualified paleontologist shall attend preconstruction meetings to consult with the grading and excavation contractors concerning excavation schedules, paleontological field techniques, and safety issues. All construction personnel shall receive training provided by a qualified paleontologist experienced in teaching non-specialists to ensure that they	Planning and Building Agency/Qualified Paleontologist	Project applicant	Prior to construction and during construction

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	can recognize fossil materials in the event any are discovered during construction. • A qualified paleontologist shall conduct onsite paleontological monitoring of all grading and excavation activities with potential to disturb paleontologically sensitive sediments below the uppermost few feet of surface sediments. Monitoring shall include inspection of exposed surfaces and microscopic examination of matrix to determine if fossils are present. The monitor shall have authority to divert grading away from exposed fossils temporarily in order to recover the fossil specimens. Cooperation and assistance from onsite personnel will greatly assist timely resumption of work in the area of the fossil discovery. • If fossil remains are discovered during project-related construction, activities in the vicinity of the find shall stop immediately until a qualified professional paleontologist can assess the nature and importance of the find and a qualified professional paleontologist can recommend appropriate treatment. Treatment may include preparation and recovery of fossil materials so that they can be housed in an appropriate museum or university collection and may also include preparation of a report for publication describing the finds. The City shall be responsible for ensuring that recommendations regarding treatment and reporting are implemented. The work shall be conducted in conformance with the Orange County guidelines as defined in Eisentraut and Cooper (2002) and meet the requirements for recovery, salvage, laboratory preparation, preparation to the point of taxonomic identification, transferal, and preparation and submittal. • Fossil remains collected during the monitoring and salvage portion of the program shall be cleaned, repaired, sorted, and catalogued. • Prepared fossils, along with copies of all pertinent field notes, photos, and maps, shall be deposited (as a donation) in a scientific institution with permanent paleontological collections. • A final data recovery report shall be completed that outlines the results of the monitoring program. This report will include discussions of the methods used, stratigraphic section(s) exposed, fossils collected, and significance of recovered fossils.			

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
MM-CUL-2	Prior to demolition the project applicant will commission the preparation of complete archival-quality photo documentation of the architecturally significant Santa Ana Elks Lodge along with a historical profile to accompany the photo documentation. The documentation will be prepared in accordance with Historic American Building Survey (HABS) Level 2 standards as outlined in the Historic American Building Survey Guidelines for Preparing Written Historical Descriptive Data. The photographic element of the documentation will consist of 20–30 archival quality large-format black-and-white photographs of the property’s character-defining exterior and interior architectural features. If available, original architectural plans will be reproduced to archival HABS standards and will be included in the documentation package with photographs and written data. Three copies of the documentation package will be produced. One set will include original photo negatives and one set will be placed in publicly accessible archive or history collection.	Planning and Building Agency	Project applicant	Prior to demolition
MM-CUL-3	Prior to demolition the applicant will work with the City of Santa Ana to arrange for representatives of the Elks, the Santa Ana Historical Preservation Society, Preserve Orange County, the Santa Ana Planning and Building Agency, other potentially interested parties, and members of the community to identify and undertake salvage the of Santa Ana Elks Lodge’s exterior and interior architectural features. The applicant will also consider salvaging and reusing architectural features identified as significant in the historical resource evaluation or identified as significant by interested parties that those interested parties are not able to salvage. Such significant features not salvaged by interested parties would be considered for reuse in the design and construction of a community room or other publically accessible interior or exterior space that will be incorporated into the design of the project.	Planning and Building Agency	Project applicant	Prior to demolition
MM-CUL-4	The applicant will commission an interpretative exhibit that communicates the Santa Ana Elks’ significance as a noteworthy local expression of the important role that fraternal orders have played in American history. The exhibit will include a concise narrative explanation along with visual graphics such as historical photographs, and it will potentially make use of artifacts associated with the organization, such as regalia and other objects from the Santa Ana Elks Lodge, copies of important organization documents, or Elks-related personal items that members of the organization might be willing to donate. Before the certificate of occupancy is issued, the interpretative exhibit will be installed at a location on the project site accessible to the general public, potentially in a	Planning and Building Agency	Project applicant	Prior to demolition

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	community room or other publically accessible interior or exterior space to be incorporated into the design of the project.			
HAZARDS AND HAZARDOUS MATERIALS				
MM-OZ 4.6-2	Prior to the issuance of grading permits on any project site, the developer(s) shall: - Investigate the project site to determine whether it or immediately adjacent areas have a record of hazardous materials contamination via the preparation of a preliminary environmental site assessment (ESA), which shall be submitted to the City for review. If contamination is found, the report shall characterize the site according to the nature and extent of contamination that is present before development activities proceed at that site. - If contamination is determined to be onsite, the City, in accordance with appropriate regulatory agencies, shall determine the need for further investigation and/or remediation of the soils conditions on the contaminated site. If further investigation or remediation is required, it shall be the responsibility of the site developer(s) to complete such investigation and/or remediation prior to construction of the project. - If remediation is required as identified by the local oversight agency, it shall be accomplished in a manner that reduces risk to below applicable standards and shall be completed prior to issuance of any occupancy permits.	Planning and Building Agency	Project applicant	Prior to issuance of grading permits
MM-OZ 4.6-3	In the event that previously unknown or unidentified soil and/or groundwater contamination that could be present a threat to human health or the environment is encountered during construction of the proposed project, construction activities in the immediate vicinity of the contamination shall cease immediately. If contamination is encountered, A Risk Management Plan shall be prepared and implemented that (1) identifies the contaminants of concern and the potential risk each contaminant would pose to human health and the environment during construction and post-development and (2) describes measures to be taken to protect workers, and the public from exposure to potential site hazards. Such measures could include a range of options, including, but not limited to, physical site controls during construction, remediation, long-term monitoring, post-development maintenance or access limitations, or some combination thereof. Depending on the nature of contamination, if any, appropriate agencies shall be notified (e.g., City of Santa	Planning and Building Agency	Project applicant	During construction

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	Ana Fire Department). If needed, a Site Health and Safety Plan that meets Occupational Safety and Health Administration requirements shall be prepared and in place prior to commencement of work in any contaminated area.			
MM-OZ 4.6-5	Prior to initiation of construction activities, any development within the Overlay Zone shall have a completed traffic control plan, prepared by the developer that will be implemented during construction activities. This may include, but is not limited to, the maintenance of at least one unobstructed lane in both directions on surrounding roadways. At any time only a single lane is available, the developer shall provide a temporary traffic signal, signal carriers (i.e. flagpersons), or other appropriate traffic controls to allow travel in both directions. If construction activities require the complete closure of a roadway segment, the developer should provide appropriate signage indicating alternative routes.	Public Works	Project applicant	Prior to/during construction
MM-OZ 4.6-6	The City Planning Department shall consult with the Santa Ana Police Department and the Santa Ana Fire Department to disclose temporary closures and alternative travel routes in order to ensure adequate access for emergency vehicles when construction of future projects would result in temporary land or roadway closures.	Planning and Building Agency/Police Dept./Fire Dept.	Planning and Building Agency	Prior to/during construction
HYDROLOGY AND WATER QUALITY				
MM-OZ 4.7-1	In order to comply with the 2003 DAMP, future development projects in the Overlay Zone shall prepare Storm Drain Plans, Stormwater Pollution Prevention Plans (SWPPP), and Water Quality Management Plans (WQMP) conforming to the current National Pollution Discharge Elimination System (NPDES) requirements, prepared by a Licensed Civil Engineer or Environmental Engineer, shall be submitted to the Department of Public Works for review and approval. (a) SWPPP shall be prepared and updated as needed during the course of construction to satisfy the requirements of each phase of the development. The plan shall incorporate all necessary Best Management Practices (BMPs) and other City requirements to eliminate polluted runoff until all construction work for the project is completed. The SWPPP shall include treatment and disposal of all dewatering operations flows, and for nuisance flows during construction.	Public Works	Project applicant	Prior to issuance of permits

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	(b) A WQMP shall be prepared, maintained, and updated as needed to satisfy the requirements of the adopted NPDES program. The plan shall incorporate water quality measures for all improved phases of the project. (c) Location of the BMPs shall not be within the public right-of-way.			
MM-OZ 4.7-2	Prior to issuance of grading permits, future development projects in the Overlay Zone shall submit a Hydrology and Hydraulic Study to the Public Works Department for review and approval. If existing facilities are not adequate to handle runoff that may be generated by the proposed development, then the applicant shall propose feasible remedies to assure that adequate drainage facilities will be available prior to issuance of occupancy permits. The applicant may propose storm drain improvements to be constructed in order to meet project needs. If necessary storm drain upgrades cannot be implemented prior to issuance of occupancy permits, on site detention facilities or other methods acceptable to the City shall be included with new development projects to ensure that post-construction runoff does not exceed pre-development quantities.	Public Works	Project applicant	Prior to issuance of grading permit
NOISE				
MM-OZ 4.9-1	Construction activities shall be limited to the following general restrictions. In the event that there is a conflict between the City of Santa Ana Municipal Code and the City of Tustin Municipal Code, the more restrictive measures shall be applied: All construction activity within the City shall be conducted in accordance with Section 18-314(e) of the City of Santa Ana Municipal Code. All construction activity within 200 feet of the City of Tustin Border shall be conducted in accordance with Section 4617(e) of the City of Tustin Municipal Code.	Planning and Building Agency	Project applicant	During construction
MM-OZ 4.9-2	The project applicant shall require by contract specifications that the following construction best management practices (BMPs) be implemented by contractors to reduce construction noise levels: Two weeks prior to the commencement of construction, notification must be provided to surrounding land uses within 1,000 feet of a project site disclosing the construction schedule, including the various types of activities that would be occurring throughout the duration of the construction period.	Planning and Building Agency	Project applicant	Prior to issuance of grading permit

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	• Ensure that construction equipment is properly muffled according to industry standards and be in good working condition. • Place noise-generating construction equipment and locate construction staging areas away from sensitive uses, where feasible. • Schedule high noise-producing activities between the hours of 8:00 A.M. and 5:00 P.M. to minimize disruption on sensitive uses. • Implement noise attenuation measures to the extent feasible, which may include, but are not limited to, temporary noise barriers or noise blankets around stationary construction noise sources. • Use electric air compressors and similar power tools rather than diesel equipment, where feasible. • Construction-related equipment, including heavy-duty equipment, motor vehicles, and portable equipment, shall be turned off when not in use for more than 30 minutes. • Construction hours, allowable workdays, and the phone number of the job superintendent shall be clearly posted at all construction entrances to allow for surrounding owners and residents to contact the job superintendent. If the City or the job superintendent receives a complaint, the superintendent shall investigate, take appropriate corrective action, and report the action taken to the reporting party. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed by the City prior to issuance of a grading permit.			
MM-OZ 4.9-3	The project applicant shall require by contract specifications that construction staging areas along with the operation of earthmoving equipment within the project area would be located as far away from vibration and noise sensitive sites as possible. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed by the City prior to issuance of a grading permit.	Planning and Building Agency	Project applicant	Prior to issuance of grading permit
MM-OZ 4.9-4	The project applicant shall require by contract specifications that heavily loaded trucks used during construction would be routed away from residential streets to the extent feasible. Contract specifications shall be included in the proposed project construction documents, which shall be reviewed by the City prior to issuance of a grading permit.	Planning and Building Agency	Project applicant	Prior to issuance of grading permit

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
MM-OZ 4.9-6	Prior to issuance of building permits, building plans shall specify the STC rating of windows and doors for all residential land uses. Window and door ratings shall be sufficient to reduce the interior noise level to a CNEL of 45 dBA or less, and shall be determined by a qualified acoustical consultant as part of the final engineering design of the project.	Planning and Building Agency	Project applicant	Prior to issuance of building permits
MM-OZ 4.9-7	The developer shall provide proper shielding for all new HVAC systems used by the proposed residential and mixed use buildings to achieve an attenuation of 15 dBA at 50 feet from the equipment.	Planning and Building Agency	Project applicant	During project design and construction
MM-NOI-1	Where future residential uses would be constructed in areas exposed to noise, exterior noise control shall be provided as necessary to comply with the City's exterior noise guideline of 65 dB CNEL, as specified in the Noise Element of the General Plan. The noise control requirements, if any, shall be determined by a qualified acoustical consultant as part of the final engineering design of the project and shall be included on the building plans prior to issuance of building permits. It is noted that exterior living space for multi-family developments may be provided as a combination of private space (patios, balconies, etc.) and common areas (playgrounds, pool areas, etc.). As a result, it may not be necessary to provide noise control at all private areas, provided sufficient common area is included within the project.	Planning and Building Agency	Project applicant	Prior to issuance of building permits
TRANSPORTATION/TRAFFIC				
MM-TRA-2	Prior to project occupancy, the applicant shall construct the improvements listed below or pay a fair-share/local fee to cover the Elan Project's fair share of the full construction costs needed to implement these mitigation measures. These mitigation shall be installed prior to 2040, as the projected facilities are forecasted to be affected. • I-5 northbound ramps at Fourth Street: Widen and/or restripe Fourth Street to provide a second exclusive westbound right-turn lane. Modify the existing traffic signal for signing and striping improvements accordingly. This improvement is subject to the review and approval of Caltrans. • SR-55 northbound ramps at Fourth Street: Widen and/or restripe Fourth Street to provide an exclusive westbound (free) right-turn lane. Restripe to convert the third eastbound through lane to a second eastbound left-turn lane. Modify the existing traffic signal for signing and striping	Planning and Building Agency/Public Works	Planning and Building Agency/Public Works	Prior to issuance of occupancy permit

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
	improvements accordingly. This improvement is subject to the review and approval of the City of Tustin and/or Caltrans. • SR-55 northbound ramps at Fourth Street/Irvine Boulevard: Widen and/or restripe the westbound approach on Fourth Street to provide an exclusive (free) right-turn lane. Modify existing traffic signal as well as existing signing and striping improvements accordingly. This improvement is subject to the review and approval of the City of Tustin and/or Caltrans. • Lyon Street at First Street: Widen Lyon Street to provide an exclusive northbound left-turn lane. Widen and/or restripe First Street to provide an exclusive eastbound right-turn lane. Modify the existing traffic signal for split signal phasing for the northbound and southbound approaches and provide northbound right-turn overlap phasing. Remove west leg crosswalk. Modify the existing signing and striping improvements accordingly. • Mabury Street/Elk Lane at First Street: Widen and/or restripe Elk Lane to provide a second exclusive northbound right-turn lane. Widen and/or restripe First Street to provide an exclusive eastbound right-turn lane. Modify the existing traffic signal for northbound right-turn overlap phasing and existing signing and striping improvements accordingly. • Cabrillo Park Drive at First Street: Restripe First Street to convert the second eastbound through lane to a second eastbound left-turn lane. Modify the existing traffic signal for signing and striping improvements accordingly. • Elk Lane at Chestnut Avenue/Main Street: Install a traffic signal and design for three-phase operations. Widen and/or restripe Main Street to provide an exclusive westbound right-turn lane. Modify existing signing and striping improvements.			
TRIBAL CULTURAL RESOURCES				
MM-0Z 4.4-2	Due to the lack of cultural resource studies for the Overlay Zone Expansion Area, and in order to avoid damaging any unidentified cultural resources, a qualified archaeologist would be retained to monitor any significant ground-disturbing activities in undeveloped areas within the Expansion Area, and any deep (10" or deeper) ground-disturbing activities in all areas of the Expansion Area.	Planning and Building Agency	Project applicant	During construction

Mitigation Measure No.	Mitigation Measure	Monitoring Party	Implementing Party	Mitigation Timing
MM-OZ 4.4-3	In the event that archaeological resources are unearthed during project subsurface activities, all earth-disturbing work within a 100-meter radius must be temporarily suspended or redirected until an archaeologist has evaluated the nature and significance of the find. After the find has been appropriately mitigated, work in the area may resume.	Planning and Building Agency	Project applicant	During construction
MM-OZ 4.4-5	If human remains are unearthed, State Health and Safety Code Section 7050.5 requires that no further disturbance shall occur until the county coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner has 24 hours to notify the Native American Heritage Commission (NAHC). The NAHC will then contact the most likely descendant of the deceased Native American, who will then serve as consultant on how to proceed with the remains.	Planning and Building Agency/NAHC	Project applicant	During construction
MM-TCR-1	In the event that a tribal cultural resource is unexpectedly identified during the course of a proposed project, and the City determines that the project may cause a substantial adverse change to a tribal cultural resource, the City will employ one or more of the following standard mitigation measures: 1. Avoidance and preservation of the resource in place, including, but not limited to, planning and construction to avoid the resource and protect the cultural and natural context, or planning greenspace, parks, or other open space, to incorporate the resource with culturally appropriate protection and management criteria. 2. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following: (a) Protecting the cultural character and integrity of the resource (b) Protecting the traditional use of the resource (c) Protecting the confidentiality of the resource 3. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places protecting the resource. Protecting the resource.	Planning and Building Agency	Project applicant	During construction

ATTACHMENT B:

Air Quality Supporting Information



February 14, 2025

Johanna Crooker
MLC Holdings, Inc.
5 Peters Canyon Road, Suite 310
Irvine, CA 92606

Subject: City of Santa Ana – Proposed 2020 E First Street Residential Project Air Quality and Greenhouse Gas Emissions and Energy Consumption Technical Memorandum.

Dear Ms. Crooker:

Vista Environmental has conducted an analysis to evaluate whether the proposed 2020 First Street residential project (proposed project) would cause significant air quality and greenhouse gas (GHG) emissions and energy consumption impacts. This assessment was conducted within the context of the California Environmental Quality Act (CEQA, California Public Resources Code Sections 21000, et seq.). The methodology follows the South Coast Air Quality Management District (SCAQMD) recommendations for quantification of emissions and evaluation of potential air quality and GHG emissions impacts.

Project Location

The project site is located in the northeastern portion of the City of Santa Ana (City) at 2020 East First Street. The approximately 3.72 acre project site currently has a vacant 118,192 square foot office building in the northern portion of the project site and a 354 space surface parking lot that encompasses approximately 2.72 acres of paved area on the southern portion of the project site. The project site is bounded by First Street and commercial uses to the north, residential apartments to the east, a school and Interstate 5 to the south, and an athletic field and office uses to the west.

Project Description

The proposed project consists of demolishing the existing uses on-site for the development of 86 residential units, including 80 three-story attached townhomes plus 6 four-story urban duplex homes on approximately 3.72 acres. The townhomes would consist of either 2-bedroom, 3-bedroom, or 4-bedroom units and would range in size from 1,215 square feet to 1,781 square feet. The urban duplex homes would be 2,141 square feet with 3 bedrooms and would provide shop-front frontage to create an urban street wall.

Access to the site would be accommodated via existing Driveway 1 (right-in/right-out access only) and Driveway 2 (full access) on East 1st Street. A total of 192 parking spaces would be provided. Each residential unit would have a private 2-car garage. Additionally, 22 guest parking spaces would be available.

Project Design Features Incorporated into the Proposed Project

This analysis was based on implementation of the following project design feature that the project applicant has committed to implementing, since the current 2022 Title 24 Part 6 building energy efficiency standards now require each home to have at least one heat pump for either space heating or water heating as well as require all natural gas appliances utilized to provide wiring for future electrical

appliances, which now makes new home developments cost prohibitive to include natural gas hookups to the homes¹.

Project Design Feature 1:

The proposed project shall be designed as an All-Electric Development, which requires all appliances that are installed into the proposed homes to be electric powered and no natural gas lines shall be run to the proposed homes.

Thresholds of Significance

Regional Air Quality

To estimate if the proposed project may adversely affect the air quality in the region, the SCAQMD has prepared the CEQA Air Quality Handbook (SCAQMD 1993) to provide guidance to those who analyze the air quality impacts of proposed projects. The SCAQMD CEQA Air Quality Handbook states that any project in the Air Basin with daily emissions that exceed any of the identified significance thresholds should be considered as having an individually and cumulatively significant air quality impact. For the purposes of this air quality impact analysis, a regional air quality impact would be considered significant if emissions exceed the SCAQMD significance thresholds identified in Table A.

Table A – SCAQMD Regional Criteria Pollutant Emission Thresholds of Significance

	Pollutant Emissions (pounds/day)					
	VOC	NOx	CO	SOx	PM10	PM2.5
Construction	75	100	550	150	150	55
Operation	55	55	550	150	150	55

Source: <https://www.aqmd.gov/docs/default-source/ceqa/handbook/south-coast-aqmd-air-quality-significance-thresholds.pdf?sfvrsn=25>

Local Air Quality

Project-related construction and operational air emissions may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the Air Basin. In order to assess local air quality impacts the SCAQMD has developed Localized Significant Thresholds (LSTs) to assess the project-related air emissions in the project vicinity. SCAQMD has also provided Final Localized Significance Threshold Methodology (LST Methodology), July 2008, which details the methodology to analyze local air emission impacts. The LST Methodology found that the primary emissions of concern are NO₂, CO, PM10, and PM2.5.

The Look-Up Tables include site acreage sizes of 1-acre, 2-acres and 5-acres. The *Fact Sheet for Applying CalEEMod to Localized Significance Thresholds*, prepared by SCAQMD, 2015, provides guidance on how to determine the appropriate site acreage size to utilize for a project. The Fact Sheet details the site acreage should be based on the maximum number of acres disturbed on the peak day of construction that is calculated on the construction equipment list utilized in the CalEEMod model, where crawler tractors, graders, and rubber tired dozers are all assumed to disturb 0.5-acre in an 8-hour day and scrapers are assumed to disturb 1.0-acre in an 8-hour day. It should be noted that the methodology in the Fact Sheet was developed from the CalEEMod User Guide Appendix A, page 9, where the same acres disturbed per

¹ Obtained from: <https://www.nrdc.org/press-releases/california-passes-nations-first-building-code-establishes-pollution-free-electric>

equipment type is detailed and is utilized in the CalEEMod model in order to determine the acres per day disturbed during site preparation and grading phases.

Table B lists all of the construction equipment modeled in CalEEMod for the construction phases where earthmoving will occur and utilizes the methodology in the Fact Sheet to calculate the acres disturbed per day. As shown in Table B, the maximum acreage disturbed per day would occur during the grading phase when 3.5 acres would be disturbed. As such, the 2-acre and 5-acre thresholds were interpolated in order to develop the threshold for the 3.5-acre thresholds.

Table B – Construction Equipment Modeled in CalEEMod and Acres Disturbed per Day

Construction Activity	Equipment Type	Equipment Quantity	Acres Disturbed per piece of Equipment per Day ¹	Operating Hours per Day	Acres Disturbed per Day
Demolition	Concrete Saw	1	0	8	0
	Excavators	3	0	8	0
	Rubber Tired Dozers	2	0.5	8	1.0
	Total Acres Disturbed per Day During Demolition				1.0
Site Preparation	Rubber Tired Dozers	3	0.5	8	1.5
	Crawler Tractors	4	0.5	8	2.0
	Total Acres Disturbed per Day During Site Preparation				3.5
Grading	Excavators	1	0	8	0
	Graders	1	0.5	8	0.5
	Rubber Tired Dozers	1	0.5	8	0.5
	Crawler Tractors	3	0.5	8	1.5
	Total Acres Disturbed per Day During Grading				2.5
Maximum Acres Disturbed during All Construction Activities					3.5

Notes:

¹ Based on the Fact Sheet for Applying CalEEMod to Localized Significance Thresholds where crawler tractors, graders, and rubber tired dozers disturb 0.5-acre in an 8-hour day and scrapers disturb 1.0-acre in an 8-hour day. All other equipment disturb 0 acres per 8-hour day.

Source: CalEEMod Version 2022.1; SCAQMD, 2015.

The project site is located in Air Monitoring Area 17, which covers Central Orange County. The nearest sensitive receptors to the project site are the apartments that are as near as 10 feet (3 meters) east of the project site. The SCAQMD requires that impacts are analyzed on the property line of land uses with sensitive receptors. According to LST Methodology, any receptor located closer than 25 meters (82 feet) shall be based on the 25-meter thresholds. Table C below shows the NO_x, CO, PM₁₀, and PM_{2.5} for both construction and operational activities.

Table C – SCAQMD Local Air Quality Thresholds of Significance

Activity	Allowable Emissions ¹ (pounds/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
Construction	149	984	9.5	5.5
Operation	149	984	2.5	1.5

Notes:

¹ The nearest sensitive receptors to the project site are apartments that are adjacent to the east side of the project site. According to SCAQMD methodology, all receptors closer than 25 meters are based on the 25-meter threshold.

Source: Calculated from SCAQMD's Mass Rate Look-up Tables for two and five acres (interpolated to 3.5 acres) in Air Monitoring Area 17, Central Orange County.

Greenhouse Gas Emissions

The City of Santa Ana has adopted a Climate Action Plan (Santa Ana CAP) that has been prepared to assist the City in conforming to the GHG emissions reductions as mandated under AB 32. The Santa Ana CAP provides community-wide GHG emissions reduction goals of 15 percent below the baseline year 2008 by 2020 and 30 percent below the baseline year 2008 by 2035. A critical aspect of having a CAP that fits the criteria within State CEQA Guidelines Section 15183.5 is to have reduction targets that align with statewide goals. The Santa Ana CAP's 2020 reduction target parallels the state's commitment to reducing GHG emissions under AB 32. However, it proceeds even farther by identifying targets that are specific to the City's geographic location as well as activity types and their associated sources. Therefore, because the Santa Ana CAP's 2020 target aligns with the statewide goal for 2020, the Santa Ana CAP is consistent with AB 32. As such, for up to 2020, the Santa Ana CAP was a qualifying plan under State CEQA Guidelines Section 15183.5.

Although the Santa Ana CAP calculated emissions and quantified reductions to achieve the Santa Ana CAP's 2035 emissions target, the Santa Ana CAP does not achieve the Statewide reduction goals. Specifically, the statewide target in 2030 (as codified in SB 32) is 40 percent below 1990 levels and the 2050 target (not yet codified) is 80 percent below 1990 levels. The Santa Ana CAP's 2035 target of 1,371,602 MTCO₂e is only 18 percent below the 2020 target of 1,665,516 MTCO₂e (i.e., 1990 levels). This level of reduction is not enough to achieve a fair share contribution toward the statewide targets of 40 percent and 80 percent below 1990 levels by 2030 and 2050, respectively. Therefore, because the Santa Ana CAP does not that align with statewide goals beyond 2020, the CAP is not consistent with the criteria within State CEQA Guidelines Section 15183.5 for the post-2020 period. As such, for determination of significance, this analysis has utilized on the SCAQMD's draft threshold of 3,000 MTCO₂e per year for a quantitative threshold of significance for GHG emissions and CARB's 2022 Scoping Plan for consistency with an applicable GHG emissions reduction plan.

CalEEMod Model Input Parameters

The criteria pollutants and GHG emissions impacts created by the proposed project have been analyzed through use of the California Emissions Estimator Model (CalEEMod) Version 2022.1.1.28 CalEEMod is a computer model published by the California Air Pollution Control Officers Association (CAPCOA) for estimating air pollutant and GHG emissions. The CalEEMod program uses the EMFAC2021 computer program to calculate the emission rates specific for Orange County for employee, vendor and haul truck vehicle trips and the OFFROAD2017-ORION v1.0.1 model to calculate emission rates for heavy equipment operations. The OFFROAD2007 and OFFROAD2011 models were also utilized to determine the "Horsepower" and "Load Factor" for the default construction equipment. EMFAC2021 and all versions of OFFROAD computer models are generated by CARB that calculates composite emission rates for vehicles. Emission rates are reported by the program in grams per trip and grams per mile or grams per running hour.

The project characteristics in the CalEEMod model were set to a project location of Orange County, utility companies of Southern California Edison and Southern California Gas (with 2027 forecast factors) and a project opening year of 2027.

Land Use Parameters

The proposed project would consist of development of six Live/Work units and 80 townhomes, with an associated onsite road system and parking areas on a 3.72-acre project site. Since CalEEMod does not

have a land use for live/work units, all residential units were analyzed as townhomes. The proposed project's land use parameters that were entered into the CalEEMod model are shown in Table D.

Table D – CalEEMod Land Use Parameters

Proposed Land Use	Land Use Subtype in CalEEMod	Land Use Size ¹	Lot Acreage ²	Building ³ (sq ft)	Landscaped Area ⁴ (sq ft)
Live/Work Units & Townhomes	Condo/Townhouse	86 DU	2.22	140,926	24,016
Onsite Roads and Parking	Other Asphalt Surfaces	1.5 AC	1.5	--	16,227

Notes:

¹ DU = Dwelling unit; AC = Acre.

² Lot acreage calculated based on the total project site of 3.72 acres.

³ Building square feet represent area where architectural coatings will be applied

⁴ Landscaped area based on total open space provided of 40,243 square feet.

Construction Parameters

Construction of the proposed project is anticipated to start in Fall 2025 and the CalEEMod default construction phasing and timing was utilized, which found that construction would be completed in approximately 13 months. The construction-related GHG emissions were based on a 30-year amortization rate as recommended in the SCAQMD GHG Working Group meeting on November 19, 2009.

The worker trips and truck trips utilized for each phase of construction was based on the CalEEMod default values. For the construction equipment, the only change to the default values were the Tractors/Loaders/Backhoes equipment in the Site Preparation and Grading Phases were changed to Crawler Tractors, which has higher horsepower and load factor, in order to provide for a worst-case analysis. The demolition quantity of 8,385 tons of debris that was modeled in CalEEMod was based on demolition of the 118,192 square foot office building and 2.72 acres of paved area.

CalEEMod provides the selection of reduction measures to account for project conditions that would result in less emissions than a project without these conditions. This includes the required to adherence to SCAQMD Rule 403, which requires that the Best Available Control Measures be utilized to reduce fugitive dust emissions and was modeled in CalEEMod by selection of water all exposed areas three times per day, water unpaved roads twice daily, reduce vehicle speeds on dirt roads and sweep paved roads once per month.

Operational Parameters

The operation of the proposed project was analyzed in the CalEEMod model based on the land use parameters provided above and the default operational values in CalEEMod, other than the number of woodstoves and fireplaces was set to zero in the CalEEMod model, since the architectural plans show that there would be zero fireplaces of any type (i.e., electric, natural gas or wood). In order to account for Project Design Feature 1, the Mitigation Measure E-15 was selected for requiring an All-Electric Development.

It should be noted that the CalEEMod default trip generation rates of 7.32 daily weekday, 8.14 daily Saturday, and 6.28 daily Sunday trips per residential unit were utilized, in order to provide a conservative analysis, when compared to the 2020 E. 1st Street Due Diligence Focused Traffic Assessment, prepared by Urban Crossroads, March 14, 2024, found that the existing office building generates 1,302 daily trips and the proposed project would generate 6.74 daily trips per residential unit or a total of 562 daily trips, which would result in a net change of -740 daily trips.

Project Impacts

Construction-Related Air Quality Impacts

The construction-related emissions have been analyzed for both regional and local air quality impacts.

Construction-Related Regional Impacts

The worst-case summer or winter daily construction-related criteria pollutant emissions from the proposed project for each phase of construction activities are shown below in Table E and the CalEEMod daily printouts are attached to this Memo.

Table E – Construction-Related Regional Criteria Pollutant Emissions

Activity	Pollutant Emissions (pounds/day)					
	VOC	NOx	CO	SO ₂	PM10	PM2.5
Demolition¹						
Onsite ²	2.40	22.20	19.90	0.03	6.71	1.72
Offsite ³	0.20	9.28	4.70	0.05	2.19	0.67
Total	2.60	31.48	24.60	0.08	8.90	2.39
Site Preparation¹						
Onsite	4.05	37.50	32.40	0.05	7.59	4.47
Offsite	0.06	0.07	0.85	<0.01	0.23	0.05
Total	4.11	37.57	33.25	0.05	7.82	4.52
Grading¹						
Onsite	2.30	20.60	19.60	0.03	3.41	1.99
Offsite	0.05	0.06	0.73	<0.01	0.20	0.05
Total	2.35	20.66	20.33	0.03	3.61	2.04
Building Construction						
Onsite	1.13	10.40	13.00	0.02	0.43	0.40
Offsite	0.23	0.56	3.16	<0.01	0.89	0.21
Total	1.36	10.96	16.16	0.02	1.32	0.61
Paving						
Onsite	0.90	6.23	8.81	0.01	0.26	0.24
Offsite	0.07	0.07	0.91	<0.01	0.26	0.06
Total	0.97	6.30	9.72	0.02	0.64	0.48
Architectural Coatings						
Onsite	50.12	0.86	1.13	<0.01	0.02	0.02
Offsite	0.04	0.04	0.56	<0.01	0.16	0.04
Total	50.16	0.90	1.69	0.01	0.18	0.06
Maximum Daily Construction Emissions	50.16	37.57	33.25	0.08	8.90	4.52
SCQAMD Thresholds	75	100	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

Notes:

¹ Demolition, Site Preparation and Grading based on adherence to fugitive dust suppression requirements from SCAQMD Rule 403.

² Onsite emissions from equipment not operated on public roads.

³ Offsite emissions from vehicles operating on public roads.

Source: CalEEMod Version 2022.1.

Table E shows that none of the analyzed criteria pollutants would exceed the regional emissions thresholds during either demolition, site preparation, grading, building construction, paving, or architectural coatings phases. Therefore, a less than significant regional air quality impact would occur from construction of the proposed project.

Construction-Related Local Impacts

Construction-related air emissions may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the Air Basin. Construction activities would also have the potential to emit toxic air contaminants (TACs).

Local Criteria Pollutant Impacts

The local air quality emissions from construction were analyzed through utilizing the methodology described in *Localized Significance Threshold Methodology* (LST Methodology), prepared by SCAQMD, revised October 2009. The LST Methodology found the primary criteria pollutant emissions of concern are NO_x, CO, PM₁₀, and PM_{2.5}. In order to determine if any of these pollutants require a detailed analysis of the local air quality impacts, each phase of construction was screened using the SCAQMD's Mass Rate LST Look-up Tables. The Look-up Tables were developed by the SCAQMD in order to readily determine if the daily onsite emissions of CO, NO_x, PM₁₀, and PM_{2.5} from the proposed project could result in a significant impact to the local air quality. Table F shows the onsite emissions from the CalEEMod model for the different construction phases and the calculated localized emissions thresholds that have been detailed above.

Table F – Construction-Related Local Criteria Pollutant Emissions

Construction Phase	Pollutant Emissions (pounds/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
Demolition ¹	22.20	19.90	6.71	1.72
Site Preparation ¹	37.50	32.40	7.59	4.47
Grading ¹	20.60	19.60	3.41	1.99
Building Construction	10.40	13.00	0.43	0.40
Paving	6.23	8.81	0.26	0.24
Architectural Coatings	0.86	1.13	0.02	0.02
Maximum Daily Construction Emissions	37.50	32.40	7.59	4.47
SCAQMD Local Construction Thresholds ³	149	984	9.5	5.5
Exceeds Threshold?	No	No	No	No

Notes:

¹ Demolition, Site Preparation and Grading phases based on adherence to fugitive dust suppression requirements from SCAQMD Rule 403.

³ The nearest offsite sensitive receptors to the project site are apartments that are adjacent to the east side of the project site. According to SCAQMD methodology, all receptors closer than 25 meters are based on the 25-meter threshold.

Source: Calculated from SCAQMD's Mass Rate Look-up Tables for two and five acres (interpolated to 3.5 acres) in Air Monitoring Area 17, Central Orange County.

The data provided in Table F shows that none of the analyzed criteria pollutants would exceed the local emissions thresholds during either demolition, site preparation, grading, building construction, paving, or architectural coatings phases. Therefore, a less than significant local air quality impact would occur from construction of the proposed project.



Toxic Air Contaminant Impacts

The local air Construction activities are anticipated to generate TAC emissions from diesel particulate matter (DPM) associated with the operation of trucks and off-road equipment and from possible asbestos in the structure to be demolished.

Diesel Particulate Matter Emissions

The greatest potential for toxic air contaminant emissions would be related to diesel particulate matter (DPM) emissions associated with heavy equipment operations during construction of the proposed project. According to SCAQMD methodology, health effects from carcinogenic air toxics are usually described in terms of "individual cancer risk". "Individual Cancer Risk" is the likelihood that a person exposed to concentrations of toxic air contaminants over a 70-year lifetime will contract cancer, based on the use of standard risk-assessment methodology. It should be noted that the most current cancer risk assessment methodology recommends analyzing a 30 year exposure period for the nearby sensitive receptors (OEHHA, 2015).

Given the relatively limited number of heavy-duty construction equipment, the varying distances that construction equipment would operate to the nearby sensitive receptors, and the short-term construction schedule, the proposed project would not result in a long-term (i.e., 30 or 70 years) substantial source of toxic air contaminant emissions and corresponding individual cancer risk. In addition, California Code of Regulations Title 13, Article 4.8, Chapter 9, Section 2449 regulates emissions from off-road diesel equipment in California. This regulation limits idling of equipment to no more than five minutes, requires equipment operators to label each piece of equipment and provide annual reports to CARB of their fleet's usage and emissions. This regulation also requires systematic upgrading of the emission Tier level of each fleet, and currently no commercial operator is allowed to purchase Tier 0, Tier 1 or Tier 2 equipment. In addition to the purchase restrictions, equipment operators need to meet fleet average emissions targets that become more stringent each year between years 2014 and 2023. By January, 2026, 75 percent or more of all contractors' equipment fleets must be Tier 2 or higher and by January, 2029 100 percent of all equipment fleets must be Tier 2 or higher. Therefore, no significant short-term DPM impacts would occur during construction of the proposed project.

Asbestos Emissions

It is possible that the existing onsite structure to be demolished contains asbestos. According to SCAQMD Rule 1403 requirements, prior to the start of demolition activities, the existing structures located onsite shall be thoroughly surveyed for the presence of asbestos by a person that is certified by Cal/OSHA for asbestos surveys. Rule 1403 requires that the SCAQMD be notified a minimum of 10 days before any demolition activities begin with specific details of all asbestos to be removed, start and completion dates of demolition, work practices and engineering controls to be used to contain the asbestos emissions, estimates on the amount of asbestos to be removed, the name of the waste disposal site where the asbestos will be taken, and names and addresses of all contractors and transporters that will be involved in the asbestos removal process. Therefore, through adherence to the asbestos removal requirements, detailed in SCAQMD Rule 1403, a less than significant asbestos impact would occur during construction of the proposed project

Therefore, construction of the proposed project would result in a less than significant exposure of sensitive receptors to substantial pollutant concentrations

Long-Term Operational Air Quality Impacts

The proposed project would consist of operation of the proposed housing complex. The proposed project would generate air emissions from area sources, energy usage, and from project-generated vehicle trips. The following section provides an analysis of potential long-term air quality impacts due to regional air quality and local air quality impacts with the on-going operations of the proposed project.

Operations-Related Regional Criteria Pollutant Analysis

The operations-related regional criteria air quality impacts created by the proposed project have been analyzed through use of the CalEEMod model. The worst-case summer or winter VOC, NO_x, CO, SO₂, PM₁₀, and PM_{2.5} daily emissions created from the proposed project's long-term operations are summarized below in Table G and the CalEEMod emissions printouts are attached to this Memo.

Table G – Operations-Related Regional Criteria Pollutant Emissions

Emissions Source	Pollutant Emissions (pounds/day)					
	ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Mobile Sources ¹	2.17	1.77	19.20	0.05	5.04	1.30
Area Sources ²	3.70	0.05	4.88	<0.01	<0.01	<0.01
Energy Usage ³	0.00	0.00	0.00	0.00	0.00	0.00
Total Operational Emissions	5.87	1.82	24.08	0.05	5.04	1.30
SCAQMD Regional Thresholds	55	55	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

Notes:

¹ Mobile sources consist of emissions from vehicles and road dust.

² Area sources consist of emissions from consumer products, architectural coatings, and landscaping equipment. No fireplaces or woodstoves will be installed and were set to zero in CalEEMod.

³ Energy usage consists of emissions from natural gas usage. Per PDF-1, the mitigation measure of an All-Electric Development was selected in CalEEMod.

Source: CalEEMod Version 2022.1

The data provided in Table G above shows that none of the analyzed criteria pollutants would exceed the regional emissions thresholds during operation of the proposed project. Therefore, a less than significant regional air quality impacts would occur from operation of the proposed project.

Operations-Related Local Air Quality Impacts

Project-related air emissions from onsite sources such as architectural coatings, landscaping equipment, and the operation of mobile sources onsite may have the potential to create emissions areas that exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the Air Basin.

The local air quality emissions from onsite operations were analyzed using the SCAQMD's Mass Rate LST Look-up Tables and the methodology described in the LST Methodology. The Look-up Tables were developed by the SCAQMD in order to readily determine if the daily emissions of CO, NO_x, PM₁₀, and PM_{2.5} from the proposed project could result in a significant impact to the local air quality. Table H shows the onsite emissions from the CalEEMod model that includes area sources, energy usage, and vehicles operating in the immediate vicinity of the project site and the calculated emissions thresholds.

Table H – Operations-Related Local Criteria Pollutant Emissions

Onsite Emission Source	Pollutant Emissions (pounds/day)			
	NOx	CO	PM10	PM2.5
Mobile Sources ¹	0.22	2.40	0.63	0.16
Area Sources ²	0.05	4.88	<0.01	<0.01
Energy Usage ³	0.00	0.00	0.00	0.00
Total Emissions	0.27	7.28	0.63	0.16
SCAQMD Local Operational Thresholds ⁴	149	984	2.5	1.5
Exceeds Threshold?	No	No	No	No

Notes:

¹ Mobile sources consist of emissions from vehicles and road dust and were calculated based on 1/8 of the mobile source emissions, which is the estimated portion of vehicle emissions occurring within a quarter mile of the project site.

² Area sources consist of emissions from consumer products, architectural coatings, hearths and landscaping equipment. No fireplaces or woodstoves will be installed and were set to zero in CalEEMod.

³ Energy usage consist of emissions from onsite natural gas usage. PDF-1 requires the project to be all-electric, as such no onsite natural gas emissions would be created from the proposed project.

⁴ The nearest offsite sensitive receptors to the project site are apartments that are adjacent to the east side of the project site. According to SCAQMD methodology, all receptors closer than 25 meters are based on the 25-meter threshold.

Source: Calculated from SCAQMD's Mass Rate Look-up Tables for 3.5 acres interpolated from two and five acres in Air Monitoring Area 17, Central Orange County.

The data provided in Table H shows that the on-going operations of the proposed project would not exceed the local NOx, CO, PM10 and PM2.5 thresholds of significance discussed above. Therefore, the on-going operations of the proposed project would create a less than significant operations-related impact to local air quality due to onsite emissions and no mitigation would be required.

Generation of Greenhouse Gas Emissions

The proposed project would result in the construction and operation of a residential housing complex. The proposed project is anticipated to generate GHG emissions from area sources, energy usage, waste disposal, water usage, refrigeration, and construction equipment. The project's GHG emissions have been calculated with the CalEEMod model and the results is shown below in Table I.

Table I – Project Related Greenhouse Gas Annual Emissions

Category	Greenhouse Gas Emissions (Metric Tons per Year)			
	CO ₂	CH ₄	N ₂ O	CO ₂ e
Mobile Sources ¹	762.00	0.03	0.03	773.00
Area Sources ²	1.48	<0.01	<0.01	1.48
Energy Usage ³	62.3	<0.01	<0.01	62.7
Water and Wastewater ⁴	4.97	0.11	<0.01	8.36
Solid Waste ⁵	5.67	0.57	0.00	19.8
Refrigeration ⁶	--	--	--	0.17
Construction ⁷	16.73	<0.01	<0.01	17.00
Proposed Project Total GHG Emissions	853.20	0.72	0.03	883
SCAQMD Draft Threshold				3,000
Exceed Threshold?				No

Notes:

¹ Mobile sources consist of GHG emissions from vehicles.

² Area sources consist of GHG emissions from consumer products, architectural coatings, hearths and landscaping equipment. The CalEEMod model was set to zero woodstoves and fireplaces.

³ Energy usage consists of GHG emissions from electricity and natural gas usage. Per PDF-1, the mitigation measure of an All-Electric Development was selected in CalEEMod.

⁴ Water includes GHG emissions from electricity used for transport of water and processing of wastewater.

⁵ Solid Waste includes the CO₂ and CH₄ emissions created from the solid waste placed in landfills.

⁶ Refrigeration includes GHG emissions from refrigerants in air conditioning units.

⁷ Construction emissions amortized over 30 years as recommended in the SCAQMD GHG Working Group on November 19, 2009.

Source: CalEEMod Version 2022.1.

The data provided in Table I above shows that the proposed project would create 883 MTCO₂e per year. According to the SCAQMD's threshold of significance, a cumulative global climate change impact would occur if the GHG emissions created from the on-going operations would exceed 3,000 MTCO₂e per year. Therefore, a less than significant generation of greenhouse gas emissions would occur from development of the proposed project. Impacts would be less than significant.

Greenhouse Gas Plan Consistency

The proposed project would not conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing GHG emissions. As detailed above, the applicable plan for the proposed project is CARB's 2022 Scoping Plan.

The 2022 Scoping Plan identifies additional GHG reduction actions and strategies necessary to achieve the AB 1279 target of 85 percent below 1990 levels by 2045. These actions and strategies build upon those identified in the first update to the Scoping Plan (2013) and in the second update to the Scoping Plan (2017). Although a number of these measures are currently established as statewide regulations, some measures have not yet been formally proposed or adopted. It is expected that these measures or similar actions to reduce GHG emissions will be adopted as required to achieve statewide GHG emissions targets. Provided in Table J, Consistency with the 2022 Scoping Plan, is an evaluation of applicable reduction actions/strategies by emissions source category to determine how the proposed project would be consistent with or exceed reduction actions/strategies outlined in the 2022 Scoping Plan.

Table J – Consistency with the 2022 Scoping Plan

AB 32 GHG Inventory Sector (shown in Bold) and Scoping Plan Action	Proposed Project Consistency with Scoping Plan Actions
GHG Emissions Reductions Relative to the SB 32 Target	
40% below 1990 levels by 2030.	No Conflict. As shown above in Table I, almost all of the GHG emissions generated by the proposed project would be from generation of electricity. SB 1020 requires that by end of 2035, 90 percent of electricity and by end of 2045 that 100 percent of electricity is generated from renewable and zero-carbon resources. As such, the proposed project would not conflict with this strategy.
Smart Growth / Vehicle Miles Traveled (VMT)	
VMT per capita reduced 25% below 2019 levels by 2030, and 22% below 2019 levels by 2045.	No Conflict. As detailed in the Traffic Analysis, development of the proposed project would result in a net change of -740 daily trips. As such, the proposed project would not conflict with this strategy.

AB 32 GHG Inventory Sector (shown in Bold) and Scoping Plan Action	Proposed Project Consistency with Scoping Plan Actions
Light-Duty Vehicle (LDV) Zero-Emission Vehicles (ZEVs) 100% of LDV sales are ZEV by 2035.	Not Applicable. Executive Order N-79-20 requires all new LDVs sold in California to be zero-emission by the year 2035. The proposed project would not include any vehicle sales activities.
Truck ZEVs 100% of medium-duty (MDV)/HDC sales are ZEV by 2040 (AB 74 University of California Institute of Transportation Studies [ITS] report).	Not Applicable. Executive Order N-79-20 requires all new LDVs sold in California to be zero-emission by the year 2045. The proposed project would not include any truck sales activities.
Aviation 10% of aviation fuel demand is met by electricity (batteries) or hydrogen (fuel cells) in 2045. Sustainable aviation fuel meets most or the rest of the aviation fuel demand that has not already transitioned to hydrogen or batteries.	Not Applicable. The proposed project would not utilize any aviation fuel.
Ocean-going Vessels (OGV) 2020 OGV At-Berth regulation fully implemented, with most OGVs utilizing shore power by 2027. 25% of OGVs utilize hydrogen fuel cell electric technology by 2045.	Not Applicable. The proposed project would not utilize any OGVs.
Port Operations 100% of cargo handling equipment is zero-emission by 2037. 100% of drayage trucks are zero emission by 2035.	Not Applicable. The proposed project would not impact any operations at any ports.
Freight and Passenger Rail 100% of passenger and other locomotive sales are ZEV by 2030. 100% of line haul locomotive sales are ZEV by 2035. Line haul and passenger rail rely primarily on hydrogen fuel cell technology, and others primarily utilize electricity.	Not Applicable. The proposed project would not impact any freight or passenger rail operations.
Oil and Gas Extraction Phase out oil and gas extraction operations by 2045.	Not Applicable. The proposed project would not impact any oil and gas extraction activities.
Petroleum Refining CCS on majority of petroleum refining operations by 2030. Production reduced in line with petroleum demand.	Not Applicable. The proposed project would not impact any petroleum refining activities.
Electricity Generation Electric sector GHG target of 38 MMTCO ₂ e in 2030 and 31 MMTCO ₂ e in 2045. Retail sales load coverage	No Conflict. Senate Bill 1020 requires that 100 percent of retail sales of electricity be generated by renewable or zero-carbon source of electricity by December 1, 2045. As such, the proposed project would not conflict with this strategy.

AB 32 GHG Inventory Sector (shown in Bold) and Scoping Plan Action	Proposed Project Consistency with Scoping Plan Actions
New Residential and Commercial Buildings	
All electric appliances beginning 2026 (residential) and 2029 (commercial).	No Conflict. Per PDF-1, the proposed project would be an All-Electric development and would not include any natural gas hookups.
Existing Residential Buildings	
80% of appliance sales are electric by 2030 and 100% of appliance sales are electric by 2035. Appliances are replaced at end of life.	Not Applicable. The proposed project would not include any existing residential buildings.
Existing Commercial Buildings	
80% of appliance sales are electric by 2030, and 100% of appliance sales are electric by 2045. Appliances are replaced at end of life.	Not Applicable. The proposed project would not include any existing commercial buildings.
Food Products	
7.5% of energy demand electrified directly and/or indirectly by 2030; 75% by 2045.	Not Applicable. The proposed project would not include any commercial food production activities.
Construction Equipment	
25% of energy demand electrified by 2030 and 75% electrified by 2045.	No Conflict. Executive Order N-79-20 requires all off-road vehicles and equipment to transition to 100 percent zero-emission equipment, where feasible, by 2035. All construction equipment fleets utilized during construction of the proposed project are required to be registered with CARB and meet CARB's current emission reductions regulations, which are anticipated to be updated to meet Executive Order N-79-20 requirements. As such, the proposed project would not conflict with this strategy.
Chemicals and Allied Products; Pulp and Paper	
Electrify 0% of boilers by 2030 and 100% of boilers by 2045. Hydrogen for 25% of process heat by 2035 and 100% by 2045. Electrify 100% of other energy demand by 2045.	Not Applicable. The proposed project would not include any pulp and paper production activities.
Stone, Clay, Glass, and Cement	
CCS on 40% of operations by 2035 and on all facilities by 2045. Process emissions reduced through alternative materials and CCS.	Not Applicable. The proposed project would not include any stone, clay, glass and cement production activities.
Other Industrial Manufacturing	
0% energy demand electrified by 2030 and 50% by 2045.	Not Applicable. The proposed project would not include any other industrial manufacturing activities.
Combined Heat and Power	
Facilities retire by 2040.	Not Applicable. The proposed project would not include any existing combined heat and power facilities.

AB 32 GHG Inventory Sector (shown in Bold) and Scoping Plan Action	Proposed Project Consistency with Scoping Plan Actions
Agriculture Energy Use	
25% energy demand electrified by 2030 and 75% by 2045.	Not Applicable. The proposed project would not include any commercial agriculture activities.
Low Carbon Fuels for Transportation	
Biomass supply is used to produce conventional and advanced biofuels, as well as hydrogen.	Not Applicable. The proposed project would not include any production of fuels for transportation.
Low Carbon Fuels for Buildings and Industry	
In 2030s, renewable natural gas (RNG) blended in pipeline.	Not Applicable. The proposed project would not include any production of fuels for buildings and industry.
Renewable hydrogen blended in natural gas pipeline at 7% energy (~20% by volume), ramping up between 2030 and 2040.	
In 2030s, dedicated hydrogen pipelines constructed to serve certain industrial clusters.	
Non-combustion Methane Emissions	
Increase landfill and dairy digester methane capture.	Not Applicable. The proposed project would not include the operation of any landfill or dairy.
Some alternative manure management deployed for smaller dairies.	
Moderate adoption of enteric strategies by 2030.	
Divert 75% of organic waste from landfills by 2025.	
Oil and gas fugitive methane emissions reduced 50% by 2030 and further reductions as infrastructure components retire in line with reduced fossil gas demand.	
High GWP Potential Emissions	
Low GWP refrigerants introduced as building electrification increases, mitigating HFC emissions.	Not Applicable. The proposed project would not include the manufacturing of appliances that use low GWP refrigerants.
Compensate for Remaining Emissions	
Carbon Dioxide Removal (CDR) demonstration projects deployed by 2030.	Not Applicable. The proposed project would not include any CDR demonstration projects
CDR scaled to compensate for remaining GHG emissions in 2045	

Source: CARB, 2022.

As shown above in Table J, the proposed project would not conflict with any applicable proposed action or strategy in the 2022 CARB Scoping Plan. Therefore, the proposed project would be consistent with the 2022 CARB Scoping Plan and potential impacts would be less than significant.

Energy Consumption

Setting

Energy use, especially through fossil fuel consumption and combustion, relates directly to environmental quality since it can adversely affect air quality and generate GHG emissions that contribute to climate change. Electrical power is generated through a variety of sources, including fossil fuel combustion, hydropower, wind, solar, biofuels, and others. Natural gas is widely used to heat buildings, prepare food in restaurants and residences, and fuel vehicles, among other uses. Fuel use for transportation is related

to the fuel efficiency of cars, trucks, and public transportation; choice of different travel modes such as auto, carpool, and public transit; and miles traveled by these modes and is generally based on petroleum-based fuels such as diesel and gasoline. Electric vehicles (EVs) may not have any direct emissions but do have indirect emissions via the source of electricity generated to power the vehicle. Construction and routine operation and maintenance of transportation infrastructure also consume energy.

In 2022, Orange County consumed 20,244 Gigawatt-hours per year of electricity². The project applicant has committed to PDF-1 for an All-Electric Development, which means that no natural gas service will be provided to the proposed townhomes and operation of the proposed project would not consume any natural gas.

Petroleum-based fuels currently account for a majority of the California's transportation energy sources and primarily consist of diesel and gasoline types of fuels. However, the state has been working on developing strategies to reduce petroleum use. Over the last decade California has implemented several policies, rules, and regulations to improve vehicle efficiency, increase the development and use of alternative fuels, reduce air pollutants and GHG emissions from the transportation sector, and reduce vehicle miles traveled (VMT). Accordingly, petroleum-based fuel consumption in California has declined. In 2023 1,150 million gallons of gasoline and 62 million gallons of diesel was sold in Orange County³.

Construction Impacts

Construction of the proposed project would require demolition, site preparation, grading, building construction, architectural coating, and paving. Construction activities would require energy for the manufacture and transportation of building materials, preparation of the site (e.g., demolition, site clearing, and grading), and the actual construction of the building. Petroleum-based fuels such as diesel fuel and gasoline would be the primary sources of energy for these tasks.

The off-road construction equipment diesel fuel usage was calculated through use of the off-road equipment assumptions provided in the CalEEMod output files and CARB's off-road equipment fuel use assumptions. The off-road equipment diesel fuel calculations are attached to this Memo, which found that off-road equipment would consume 32,645 gallons of diesel fuel.

Fuel use associated with construction vehicle trips generated by the proposed project was also estimated; trips include construction worker trips, haul truck trips for material transport, and vendor trips for construction material deliveries. Fuel use from these vehicles traveling to the project site was based on (1) the projected number of trips the proposed project would generate during construction (obtained from the CalEEMod output file attached to this Memo, (2) average trip distances by trip type, and (3) average miles per gallon rates estimated in the ARB Emission Factors (EMFAC) mobile source emission model attached to this Memo, which found on-road construction-related vehicle trips would consume 10,614 gallons of gasoline and 7,924 gallons of diesel fuel during construction of the proposed project.

Construction activities associated with the Project would be required to adhere to all State and SCAQMD regulations for off-road equipment and on-road trucks, which provide minimum fuel efficiency standards. As such, construction activities for the proposed project would not result in the wasteful, inefficient, and unnecessary consumption of energy resources. Impacts regarding transportation energy would be less than significant.

² Obtained from: <http://www.ecdms.energy.ca.gov/elecbycounty.aspx>

³ Obtained from: <https://www.energy.ca.gov/media/3874>

During construction the proposed project would consume electricity to construct the new structures and infrastructure. Electricity would be supplied to the project site by Southern California Edison and would be obtained from the existing electrical lines in the vicinity of the project site. The use of electricity from existing power lines rather than temporary diesel or gasoline powered generators would minimize impacts on energy use. Electricity consumed during project construction would vary throughout the construction period based on the construction activities being performed. Various construction activities include electricity associated with the conveyance of water that would be used during project construction for dust control (supply and conveyance) and electricity to power any necessary lighting during construction, electronic equipment, or other construction activities necessitating electrical power. Such electricity demand would be temporary, nominal, and would cease upon the completion of construction. Overall, construction activities associated with the proposed project would require limited electricity consumption that would not be expected to have an adverse impact on available electricity supplies and infrastructure. Therefore, the use of electricity during project construction would not be wasteful, inefficient, or unnecessary.

Operational Impacts

The on-going operation of the proposed project would require the use of energy resources for multiple purposes including, but not limited to, heating/ventilating/air conditioning (HVAC), refrigeration, lighting, appliances, and electronics. Energy would also be consumed during operations related to water usage, solid waste disposal, and landscape equipment. The project applicant has committed to an All-Electric Development and no natural gas hookups will be provided to the proposed project. In addition, the Traffic Analysis found the project would result in a net change of -740 daily trips. As such, no natural gas will be consumed and no increase in petroleum fuel will occur from operation of the proposed project and operational energy use will be limited to electricity consumption.

The CalEEMod model calculated that operation of the proposed project would consume 396,868 kilowatt-hours per year of electricity. This equates to 0.002 percent of the electricity consumed annually in Orange County. As such, the operations-related electricity use would be nominal, when compared to current electricity usage rates in the County.

It should be noted that, the proposed project would comply with all Federal, State, and City requirements related to the consumption of electricity, that includes CCR Title 24, Part 6 Building Energy Efficiency Standards and CCR Title 24, Part 11: California Green Building Standards. The CCR Title 24, Part 6 and Part 11 standards require numerous energy efficiency measures to be incorporated into the proposed structures, including enhanced insulation, use of energy efficient lighting and appliances, water and space heating systems, as well as requiring a variety of other energy-efficiency measures to be incorporated into the proposed project. Therefore, it is anticipated the proposed project will be designed and built to minimize electricity use and that existing and planned electricity capacity and electricity supplies would be sufficient to support the proposed project's electricity demand. Thus, the project would not result in the wasteful or inefficient use of electricity and no mitigation measures would be required.

Energy Plan Consistency

The proposed project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. The applicable energy plan for the proposed project is the *Santa Ana General Plan Conservation Element*, adopted April 2022. The proposed project's consistency with the energy conservation policies from the General Plan are shown in Table K.

Table K – Proposed Project Compliance with the General Plan Energy Conservation Policies

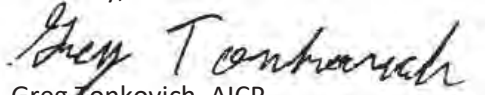
General Plan Policy	Proposed Project Implementation Actions
Goal CN-3: Energy Resources Reduce consumption of and reliance on nonrenewable energy, and support the development and use of renewable energy sources.	
Policy CN-3.1: Interagency Coordination. Consult with regional agencies and utility companies to pursue energy efficiency goals and expand renewable energy strategies.	Not Applicable. This policy is for the City to implement.
Policy CN-3.2: Education Programs. Support education programs to provide information on energy conservation and alternatives to nonrenewable energy sources.	Not Applicable. This policy is for the City to implement.
Policy CN-3.3: Development Patterns. Promote energy-efficient development patterns by clustering mixed use developments and compatible uses adjacent to public transportation.	Consistent. The proposed project will include 6 urban duplex homes that will have ground floor commercial space and the project site is located across 1 st Street from commercial retail uses and there are existing office uses to the west and northwest of the project site.
Policy CN-3.4: Site Design. Encourage site planning and subdivision design that incorporates the use of renewable energy systems.	Consistent. The proposed homes will be designed to meet or exceed the 2022 Title 24 Part 6 building standards that require all homes built in California to have rooftop solar PV systems, enhanced insulation, and to install energy efficient appliances.
Policy CN-3.5: Landscaping. Promote and encourage the planting of native and diverse tree species to improve air quality, reduce heat island effect, reduce energy consumption, and contribute to carbon mitigation with special focus in environmental justice areas.	Consistent. The proposed Landscape Plan has been designed to include native and diverse tree species that will be located adjacent to the homes and onsite road system, in order to reduce the heat island effect and associated reduction in energy consumption.
Policy CN-3.6: Life Cycle Costs. Encourage construction and building development practices that use renewable resources and life cycle costing in construction and operating decisions.	Consistent. The proposed project will be constructed using renewable resources based on the Title 24 Part 6 and Part 11 building standards that require construction material to be reused or recycled.
Policy CN-3.7: Energy Conservation Design and Construction. Incorporate energy conservation features in the design of new construction and rehabilitation projects.	Consistent. The proposed homes will be designed to meet or exceed the 2022 Title 24 Part 6 building standards that require all homes to incorporate energy conservation features into the homes.
Policy CN-3.8: Energy-Efficient Public Facilities. Promote and encourage efficient use of energy and the conservation of available resources in the design, construction, maintenance, and operation of public facilities, infrastructure, and equipment.	Not Applicable. This policy is for City buildings and for the City to implement.
Policy CN-3.9: Energy Generation in Public Facilities. Encourage and support the generation, transmission, use, and storage of locally distributed renewable energy in order to promote energy independence, efficiency, and sustainability.	Not Applicable. This policy is for the City to implement.
Policy CN-3.10: Energy Conservation in Public Projects. Work with businesses and contractors that use energy-	Not Applicable. This policy is for the City to implement.

General Plan Policy	Proposed Project Implementation Actions
efficient practices in the provision of services and equipment for City construction projects.	
Policy CN-3.11: Energy-Efficient Transportation Infrastructure. Continue to support public and private infrastructure for public transportation such as bus routes, rail lines, and the OC Streetcar.	Consistent. The 1 st and Golden Circle OCTA bus stop for Route 64 is located adjacent to the project site, which will be improved from development of the proposed project.
Source: City of Santa Ana, 2022.	

As shown in Table K, the proposed project would be consistent with the energy conservation policies from the General Plan Conservation Element. Therefore, the proposed project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Impacts would be less than significant.

Please let me know if you have any questions or need additional information with regard to the above analysis. I can be reached at (949) 510-5355, or email me at greg@vistalb.com.

Sincerely,



Greg Tonkovich, AICP
Senior Analyst
Vista Environmental
949 510 5355

Encl.: CalEEMod Model Printouts
Petroleum Fuel Consumption Calculations

Santa Ana 2020 First Street Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Santa Ana 2020 First Street
Construction Start Date	11/1/2025
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	18.6
Location	33.74439450340016, -117.84016742622718
County	Orange
City	Santa Ana
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5962
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.28

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Condo/Townhouse	86.0	Dwelling Unit	2.22	140,926	24,016	—	256	—

Other Asphalt Surfaces	1.50	Acre	1.50	0.00	16,227	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.29	10.3	16.4	0.03	1.27	0.56	3,492	0.12	0.09	3.55	3,525
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	50.2	37.5	33.3	0.08	8.90	4.52	10,929	0.73	1.22	0.42	11,311
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.30	6.67	10.3	0.02	0.80	0.36	2,201	0.08	0.07	0.96	2,221
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.60	1.22	1.89	< 0.005	0.15	0.07	364	0.01	0.01	0.16	368
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—	—	—	—	—
Unmit.	No	No	No	No	No	No	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—

Threshold	75.0	100	550	150	150	55.0	—	—	—	—	—
Unmit.	No	No	No	No	No	No	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	1.29	10.3	16.4	0.03	1.27	0.56	3,492	0.12	0.09	3.55	3,525
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2025	4.11	37.5	33.3	0.08	8.90	4.52	10,929	0.73	1.22	0.42	11,311
2026	50.2	10.4	15.9	0.03	1.27	0.56	3,453	0.12	0.09	0.09	3,483
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2025	0.28	2.96	2.64	0.01	0.70	0.25	832	0.05	0.07	0.44	855
2026	3.30	6.67	10.3	0.02	0.80	0.36	2,201	0.08	0.06	0.96	2,221
Annual	—	—	—	—	—	—	—	—	—	—	—
2025	0.05	0.54	0.48	< 0.005	0.13	0.05	138	0.01	0.01	0.07	142
2026	0.60	1.22	1.89	< 0.005	0.15	0.07	364	0.01	0.01	0.16	368

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	1.29	10.3	16.4	0.03	1.27	0.56	3,492	0.12	0.09	3.55	3,525
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

2025	4.11	37.5	33.3	0.08	8.90	4.52	10,929	0.73	1.22	0.42	11,311
2026	50.2	10.4	15.9	0.03	1.27	0.56	3,453	0.12	0.09	0.09	3,483
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2025	0.28	2.96	2.64	0.01	0.70	0.25	832	0.05	0.07	0.44	855
2026	3.30	6.67	10.3	0.02	0.80	0.36	2,201	0.08	0.06	0.96	2,221
Annual	—	—	—	—	—	—	—	—	—	—	—
2025	0.05	0.54	0.48	< 0.005	0.13	0.05	138	0.01	0.01	0.07	142
2026	0.60	1.22	1.89	< 0.005	0.15	0.07	364	0.01	0.01	0.16	368

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.89	2.19	24.3	0.06	5.08	1.34	6,401	4.37	0.22	17.6	6,593
Mit.	5.86	1.67	24.1	0.05	5.04	1.30	5,741	4.31	0.22	17.6	5,930
% Reduced	1%	24%	1%	6%	1%	3%	10%	1%	1%	—	10%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.45	2.29	18.0	0.05	5.08	1.34	6,185	4.38	0.23	1.44	6,363
Mit.	5.42	1.77	17.8	0.05	5.04	1.30	5,524	4.32	0.22	1.44	5,701
% Reduced	1%	23%	1%	6%	1%	3%	11%	1%	1%	—	10%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.50	2.15	19.9	0.05	4.50	1.19	5,711	4.36	0.20	7.42	5,888
Mit.	5.47	1.63	19.7	0.05	4.46	1.15	5,051	4.30	0.20	7.42	5,226
% Reduced	1%	24%	1%	7%	1%	4%	12%	1%	1%	—	11%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.00	0.39	3.63	0.01	0.82	0.22	946	0.72	0.03	1.23	975

Mit.	1.00	0.30	3.59	0.01	0.81	0.21	836	0.71	0.03	1.23	865
% Reduced	1%	24%	1%	7%	1%	4%	12%	1%	1%	—	11%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—	—	—	—	—
Unmit.	No	No	No	No	No	No	—	—	—	—	—
Mit.	No	No	No	No	No	No	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—	—	—	—	—
Unmit.	No	No	No	No	No	No	—	—	—	—	—
Mit.	No	No	No	No	No	No	—	—	—	—	—
Exceeds (Annual)	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	—	—	—	—	3,000
Unmit.	—	—	—	—	—	—	—	—	—	—	No
Mit.	—	—	—	—	—	—	—	—	—	—	No

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.17	1.62	19.2	0.05	5.04	1.30	5,287	0.22	0.20	16.6	5,367
Area	3.70	0.05	4.88	< 0.005	< 0.005	< 0.005	13.0	< 0.005	< 0.005	—	13.1
Energy	0.03	0.52	0.22	< 0.005	0.04	0.04	1,037	0.09	0.01	—	1,041
Water	—	—	—	—	—	—	30.0	0.64	0.02	—	50.5
Waste	—	—	—	—	—	—	34.2	3.42	0.00	—	120
Refrig.	—	—	—	—	—	—	—	—	—	1.01	1.01

Total	5.89	2.19	24.3	0.06	5.08	1.34	6,401	4.37	0.22	17.6	6,593
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.15	1.77	17.8	0.05	5.04	1.30	5,084	0.23	0.20	0.43	5,151
Area	3.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.03	0.52	0.22	< 0.005	0.04	0.04	1,037	0.09	0.01	—	1,041
Water	—	—	—	—	—	—	30.0	0.64	0.02	—	50.5
Waste	—	—	—	—	—	—	34.2	3.42	0.00	—	120
Refrig.	—	—	—	—	—	—	—	—	—	1.01	1.01
Total	5.45	2.29	18.0	0.05	5.08	1.34	6,185	4.38	0.23	1.44	6,363
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.91	1.60	16.3	0.05	4.46	1.15	4,601	0.20	0.18	6.42	4,667
Area	3.56	0.03	3.34	< 0.005	< 0.005	< 0.005	8.94	< 0.005	< 0.005	—	8.97
Energy	0.03	0.52	0.22	< 0.005	0.04	0.04	1,037	0.09	0.01	—	1,041
Water	—	—	—	—	—	—	30.0	0.64	0.02	—	50.5
Waste	—	—	—	—	—	—	34.2	3.42	0.00	—	120
Refrig.	—	—	—	—	—	—	—	—	—	1.01	1.01
Total	5.50	2.15	19.9	0.05	4.50	1.19	5,711	4.36	0.20	7.42	5,888
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.35	0.29	2.98	0.01	0.81	0.21	762	0.03	0.03	1.06	773
Area	0.65	0.01	0.61	< 0.005	< 0.005	< 0.005	1.48	< 0.005	< 0.005	—	1.48
Energy	0.01	0.10	0.04	< 0.005	0.01	0.01	172	0.02	< 0.005	—	172
Water	—	—	—	—	—	—	4.97	0.11	< 0.005	—	8.36
Waste	—	—	—	—	—	—	5.67	0.57	0.00	—	19.8
Refrig.	—	—	—	—	—	—	—	—	—	0.17	0.17
Total	1.00	0.39	3.63	0.01	0.82	0.22	946	0.72	0.03	1.23	975

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.17	1.62	19.2	0.05	5.04	1.30	5,287	0.22	0.20	16.6	5,367
Area	3.70	0.05	4.88	< 0.005	< 0.005	< 0.005	13.0	< 0.005	< 0.005	—	13.1
Energy	0.00	0.00	0.00	0.00	0.00	0.00	376	0.04	< 0.005	—	379
Water	—	—	—	—	—	—	30.0	0.64	0.02	—	50.5
Waste	—	—	—	—	—	—	34.2	3.42	0.00	—	120
Refrig.	—	—	—	—	—	—	—	—	—	1.01	1.01
Total	5.86	1.67	24.1	0.05	5.04	1.30	5,741	4.31	0.22	17.6	5,930
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.15	1.77	17.8	0.05	5.04	1.30	5,084	0.23	0.20	0.43	5,151
Area	3.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	376	0.04	< 0.005	—	379
Water	—	—	—	—	—	—	30.0	0.64	0.02	—	50.5
Waste	—	—	—	—	—	—	34.2	3.42	0.00	—	120
Refrig.	—	—	—	—	—	—	—	—	—	1.01	1.01
Total	5.42	1.77	17.8	0.05	5.04	1.30	5,524	4.32	0.22	1.44	5,701
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.91	1.60	16.3	0.05	4.46	1.15	4,601	0.20	0.18	6.42	4,667
Area	3.56	0.03	3.34	< 0.005	< 0.005	< 0.005	8.94	< 0.005	< 0.005	—	8.97
Energy	0.00	0.00	0.00	0.00	0.00	0.00	376	0.04	< 0.005	—	379
Water	—	—	—	—	—	—	30.0	0.64	0.02	—	50.5
Waste	—	—	—	—	—	—	34.2	3.42	0.00	—	120
Refrig.	—	—	—	—	—	—	—	—	—	1.01	1.01
Total	5.47	1.63	19.7	0.05	4.46	1.15	5,051	4.30	0.20	7.42	5,226
Annual	—	—	—	—	—	—	—	—	—	—	—

Mobile	0.35	0.29	2.98	0.01	0.81	0.21	762	0.03	0.03	1.06	773
Area	0.65	0.01	0.61	< 0.005	< 0.005	< 0.005	1.48	< 0.005	< 0.005	—	1.48
Energy	0.00	0.00	0.00	0.00	0.00	0.00	62.3	0.01	< 0.005	—	62.7
Water	—	—	—	—	—	—	4.97	0.11	< 0.005	—	8.36
Waste	—	—	—	—	—	—	5.67	0.57	0.00	—	19.8
Refrig.	—	—	—	—	—	—	—	—	—	0.17	0.17
Total	1.00	0.30	3.59	0.01	0.81	0.21	836	0.71	0.03	1.23	865

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	22.2	19.9	0.03	0.92	0.84	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	5.79	0.88	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.22	1.09	< 0.005	0.05	0.05	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	0.32	0.05	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.22	0.20	< 0.005	0.01	0.01	31.1	< 0.005	< 0.005	—	31.2

Demolition	—	—	—	—	0.06	0.01	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.73	0.00	0.20	0.05	189	< 0.005	0.01	0.02	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.15	9.22	3.97	0.05	1.99	0.62	7,315	0.59	1.18	0.40	7,683
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.01	< 0.005	10.5	< 0.005	< 0.005	0.02	10.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.51	0.22	< 0.005	0.11	0.03	401	0.03	0.06	0.37	421
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	1.74	< 0.005	< 0.005	< 0.005	1.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.04	< 0.005	0.02	0.01	66.3	0.01	0.01	0.06	69.7

3.2. Demolition (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	22.2	19.9	0.03	0.92	0.84	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	5.79	0.88	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.22	1.09	< 0.005	0.05	0.05	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	0.32	0.05	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.22	0.20	< 0.005	0.01	0.01	31.1	< 0.005	< 0.005	—	31.2
Demolition	—	—	—	—	0.06	0.01	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.73	0.00	0.20	0.05	189	< 0.005	0.01	0.02	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.15	9.22	3.97	0.05	1.99	0.62	7,315	0.59	1.18	0.40	7,683
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.01	< 0.005	10.5	< 0.005	< 0.005	0.02	10.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.51	0.22	< 0.005	0.11	0.03	401	0.03	0.06	0.37	421
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	1.74	< 0.005	< 0.005	< 0.005	1.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.04	< 0.005	0.02	0.01	66.3	0.01	0.01	0.06	69.7

3.3. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.05	37.5	32.4	0.05	1.93	1.78	5,528	0.22	0.04	—	5,547
Dust From Material Movement	—	—	—	—	5.66	2.69	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.51	0.44	< 0.005	0.03	0.02	75.7	< 0.005	< 0.005	—	76.0
Dust From Material Movement	—	—	—	—	0.08	0.04	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.08	< 0.005	< 0.005	< 0.005	12.5	< 0.005	< 0.005	—	12.6
Dust From Material Movement	—	—	—	—	0.01	0.01	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.85	0.00	0.23	0.05	221	< 0.005	0.01	0.02	224

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	3.07	< 0.005	< 0.005	0.01	3.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.51	< 0.005	< 0.005	< 0.005	0.51
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Site Preparation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.05	37.5	32.4	0.05	1.93	1.78	5,528	0.22	0.04	—	5,547
Dust From Material Movement	—	—	—	—	5.66	2.69	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.51	0.44	< 0.005	0.03	0.02	75.7	< 0.005	< 0.005	—	76.0
Dust From Material Movement	—	—	—	—	0.08	0.04	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.08	< 0.005	< 0.005	< 0.005	12.5	< 0.005	< 0.005	—	12.6
Dust From Material Movement	—	—	—	—	0.01	0.01	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.85	0.00	0.23	0.05	221	< 0.005	0.01	0.02	224
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	3.07	< 0.005	< 0.005	0.01	3.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.51	< 0.005	< 0.005	< 0.005	0.51
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.30	20.6	19.6	0.03	1.15	1.05	3,134	0.13	0.03	—	3,145
Dust From Material Movement	—	—	—	—	2.26	0.94	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.45	0.43	< 0.005	0.03	0.02	68.7	< 0.005	< 0.005	—	68.9
Dust From Material Movement	—	—	—	—	0.05	0.02	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.08	< 0.005	< 0.005	< 0.005	11.4	< 0.005	< 0.005	—	11.4
Dust From Material Movement	—	—	—	—	0.01	< 0.005	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.73	0.00	0.20	0.05	189	< 0.005	0.01	0.02	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.02	0.00	< 0.005	< 0.005	4.21	< 0.005	< 0.005	0.01	4.27
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.70	< 0.005	< 0.005	< 0.005	0.71
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Grading (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.30	20.6	19.6	0.03	1.15	1.05	3,134	0.13	0.03	—	3,145
Dust From Material Movement	—	—	—	—	2.26	0.94	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.45	0.43	< 0.005	0.03	0.02	68.7	< 0.005	< 0.005	—	68.9
Dust From Material Movement	—	—	—	—	0.05	0.02	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.08	0.08	< 0.005	< 0.005	< 0.005	11.4	< 0.005	< 0.005	—	11.4
Dust From Material Movement	—	—	—	—	0.01	< 0.005	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.73	0.00	0.20	0.05	189	< 0.005	0.01	0.02	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	< 0.005	< 0.005	4.21	< 0.005	< 0.005	0.01	4.27
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.70	< 0.005	< 0.005	< 0.005	0.71
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.13	10.4	13.0	0.02	0.43	0.40	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.25	0.31	< 0.005	0.01	0.01	56.3	< 0.005	< 0.005	—	56.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.06	< 0.005	< 0.005	< 0.005	9.32	< 0.005	< 0.005	—	9.35
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.24	3.00	0.00	0.81	0.19	782	0.01	0.03	0.08	791
Vendor	0.01	0.32	0.16	< 0.005	0.08	0.02	293	0.02	0.04	0.02	306
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.02	< 0.005	18.6	< 0.005	< 0.005	0.03	18.9
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	6.88	< 0.005	< 0.005	0.01	7.19
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	3.08	< 0.005	< 0.005	0.01	3.12
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	1.14	< 0.005	< 0.005	< 0.005	1.19
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.13	10.4	13.0	0.02	0.43	0.40	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.25	0.31	< 0.005	0.01	0.01	56.3	< 0.005	< 0.005	—	56.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.06	< 0.005	< 0.005	< 0.005	9.32	< 0.005	< 0.005	—	9.35
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.24	3.00	0.00	0.81	0.19	782	0.01	0.03	0.08	791
Vendor	0.01	0.32	0.16	< 0.005	0.08	0.02	293	0.02	0.04	0.02	306
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.02	< 0.005	18.6	< 0.005	< 0.005	0.03	18.9
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	6.88	< 0.005	< 0.005	0.01	7.19
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	3.08	< 0.005	< 0.005	0.01	3.12

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	1.14	< 0.005	< 0.005	< 0.005	1.19
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	9.85	13.0	0.02	0.38	0.35	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	9.85	13.0	0.02	0.38	0.35	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	6.00	7.89	0.01	0.23	0.21	1,459	0.06	0.01	—	1,464
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.09	1.44	< 0.005	0.04	0.04	242	0.01	< 0.005	—	242
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	3.26	0.00	0.81	0.19	806	0.01	0.03	2.80	818
Vendor	0.01	0.29	0.15	< 0.005	0.08	0.02	288	0.01	0.04	0.74	302
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.22	2.81	0.00	0.81	0.19	767	0.01	0.03	0.07	776
Vendor	0.01	0.31	0.15	< 0.005	0.08	0.02	288	0.01	0.04	0.02	301
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.13	1.78	0.00	0.49	0.11	473	0.01	0.02	0.74	480
Vendor	< 0.005	0.19	0.09	< 0.005	0.05	0.01	176	0.01	0.02	0.20	183
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.33	0.00	0.09	0.02	78.4	< 0.005	< 0.005	0.12	79.4
Vendor	< 0.005	0.03	0.02	< 0.005	0.01	< 0.005	29.1	< 0.005	< 0.005	0.03	30.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	9.85	13.0	0.02	0.38	0.35	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	9.85	13.0	0.02	0.38	0.35	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.65	6.00	7.89	0.01	0.23	0.21	1,459	0.06	0.01	—	1,464
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.09	1.44	< 0.005	0.04	0.04	242	0.01	< 0.005	—	242
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	3.26	0.00	0.81	0.19	806	0.01	0.03	2.80	818
Vendor	0.01	0.29	0.15	< 0.005	0.08	0.02	288	0.01	0.04	0.74	302
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.22	2.81	0.00	0.81	0.19	767	0.01	0.03	0.07	776
Vendor	0.01	0.31	0.15	< 0.005	0.08	0.02	288	0.01	0.04	0.02	301
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.13	1.78	0.00	0.49	0.11	473	0.01	0.02	0.74	480
Vendor	< 0.005	0.19	0.09	< 0.005	0.05	0.01	176	0.01	0.02	0.20	183
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.33	0.00	0.09	0.02	78.4	< 0.005	< 0.005	0.12	79.4
Vendor	< 0.005	0.03	0.02	< 0.005	0.01	< 0.005	29.1	< 0.005	< 0.005	0.03	30.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	6.23	8.81	0.01	0.26	0.24	1,350	0.05	0.01	—	1,355
Paving	0.22	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.31	0.43	< 0.005	0.01	0.01	66.6	< 0.005	< 0.005	—	66.8
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.08	< 0.005	< 0.005	< 0.005	11.0	< 0.005	< 0.005	—	11.1
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.91	0.00	0.26	0.06	248	< 0.005	0.01	0.02	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.01	< 0.005	12.4	< 0.005	< 0.005	0.02	12.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	2.05	< 0.005	< 0.005	< 0.005	2.08
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	6.23	8.81	0.01	0.26	0.24	1,350	0.05	0.01	—	1,355
Paving	0.22	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.31	0.43	< 0.005	0.01	0.01	66.6	< 0.005	< 0.005	—	66.8
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.08	< 0.005	< 0.005	< 0.005	11.0	< 0.005	< 0.005	—	11.1
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.91	0.00	0.26	0.06	248	< 0.005	0.01	0.02	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.01	< 0.005	12.4	< 0.005	< 0.005	0.02	12.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	2.05	< 0.005	< 0.005	< 0.005	2.08
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.86	1.13	< 0.005	0.02	0.02	134	0.01	< 0.005	—	134
Architectural Coatings	50.0	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.04	0.06	< 0.005	< 0.005	< 0.005	6.58	< 0.005	< 0.005	—	6.61
Architectural Coatings	2.47	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	1.09	< 0.005	< 0.005	—	1.09
Architectural Coatings	0.45	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.56	0.00	0.16	0.04	153	< 0.005	0.01	0.01	155
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.01	< 0.005	7.67	< 0.005	< 0.005	0.01	7.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	1.27	< 0.005	< 0.005	< 0.005	1.29
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.86	1.13	< 0.005	0.02	0.02	134	0.01	< 0.005	—	134
Architectural Coatings	50.0	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.04	0.06	< 0.005	< 0.005	< 0.005	6.58	< 0.005	< 0.005	—	6.61
Architectural Coatings	2.47	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	1.09	< 0.005	< 0.005	—	1.09
Architectural Coatings	0.45	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.56	0.00	0.16	0.04	153	< 0.005	0.01	0.01	155
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.03	0.00	0.01	< 0.005	7.67	< 0.005	< 0.005	0.01	7.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	1.27	< 0.005	< 0.005	< 0.005	1.29
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	2.17	1.62	19.2	0.05	5.04	1.30	5,287	0.22	0.20	16.6	5,367
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.17	1.62	19.2	0.05	5.04	1.30	5,287	0.22	0.20	16.6	5,367
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	2.15	1.77	17.8	0.05	5.04	1.30	5,084	0.23	0.20	0.43	5,151
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.15	1.77	17.8	0.05	5.04	1.30	5,084	0.23	0.20	0.43	5,151
Annual	—	—	—	—	—	—	—	—	—	—	—

Condo/Townhouse	0.35	0.29	2.98	0.01	0.81	0.21	762	0.03	0.03	1.06	773
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.35	0.29	2.98	0.01	0.81	0.21	762	0.03	0.03	1.06	773

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	2.17	1.62	19.2	0.05	5.04	1.30	5,287	0.22	0.20	16.6	5,367
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.17	1.62	19.2	0.05	5.04	1.30	5,287	0.22	0.20	16.6	5,367
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	2.15	1.77	17.8	0.05	5.04	1.30	5,084	0.23	0.20	0.43	5,151
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.15	1.77	17.8	0.05	5.04	1.30	5,084	0.23	0.20	0.43	5,151
Annual	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.35	0.29	2.98	0.01	0.81	0.21	762	0.03	0.03	1.06	773
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.35	0.29	2.98	0.01	0.81	0.21	762	0.03	0.03	1.06	773

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	375	0.04	< 0.005	—	377
Other Asphalt Surfaces	—	—	—	—	—	—	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	375	0.04	< 0.005	—	377
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	375	0.04	< 0.005	—	377
Other Asphalt Surfaces	—	—	—	—	—	—	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	375	0.04	< 0.005	—	377
Annual	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	62.0	0.01	< 0.005	—	62.4
Other Asphalt Surfaces	—	—	—	—	—	—	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	62.0	0.01	< 0.005	—	62.4

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	376	0.04	< 0.005	—	379

Other Asphalt Surfaces	—	—	—	—	—	—	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	376	0.04	< 0.005	—	379
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	376	0.04	< 0.005	—	379
Other Asphalt Surfaces	—	—	—	—	—	—	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	376	0.04	< 0.005	—	379
Annual	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	62.3	0.01	< 0.005	—	62.7
Other Asphalt Surfaces	—	—	—	—	—	—	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	62.3	0.01	< 0.005	—	62.7

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.03	0.52	0.22	< 0.005	0.04	0.04	662	0.06	< 0.005	—	664
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.03	0.52	0.22	< 0.005	0.04	0.04	662	0.06	< 0.005	—	664
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.03	0.52	0.22	< 0.005	0.04	0.04	662	0.06	< 0.005	—	664
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	0.03	0.52	0.22	< 0.005	0.04	0.04	662	0.06	< 0.005	—	664
Annual	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.01	0.10	0.04	< 0.005	0.01	0.01	110	0.01	< 0.005	—	110
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.01	0.10	0.04	< 0.005	0.01	0.01	110	0.01	< 0.005	—	110

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	3.02	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.25	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.43	0.05	4.88	< 0.005	< 0.005	< 0.005	13.0	< 0.005	< 0.005	—	13.1
Total	3.70	0.05	4.88	< 0.005	< 0.005	< 0.005	13.0	< 0.005	< 0.005	—	13.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	3.02	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.25	—	—	—	—	—	—	—	—	—	—
Total	3.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	0.55	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.05	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.05	0.01	0.61	< 0.005	< 0.005	< 0.005	1.48	< 0.005	< 0.005	—	1.48
Total	0.65	0.01	0.61	< 0.005	< 0.005	< 0.005	1.48	< 0.005	< 0.005	—	1.48

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	3.02	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.25	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.43	0.05	4.88	< 0.005	< 0.005	< 0.005	13.0	< 0.005	< 0.005	—	13.1
Total	3.70	0.05	4.88	< 0.005	< 0.005	< 0.005	13.0	< 0.005	< 0.005	—	13.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	3.02	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.25	—	—	—	—	—	—	—	—	—	—
Total	3.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	0.55	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.05	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.05	0.01	0.61	< 0.005	< 0.005	< 0.005	1.48	< 0.005	< 0.005	—	1.48
Total	0.65	0.01	0.61	< 0.005	< 0.005	< 0.005	1.48	< 0.005	< 0.005	—	1.48

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	28.9	0.64	0.02	—	49.4
Other Asphalt Surfaces	—	—	—	—	—	—	1.06	< 0.005	< 0.005	—	1.06
Total	—	—	—	—	—	—	30.0	0.64	0.02	—	50.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	28.9	0.64	0.02	—	49.4
Other Asphalt Surfaces	—	—	—	—	—	—	1.06	< 0.005	< 0.005	—	1.06
Total	—	—	—	—	—	—	30.0	0.64	0.02	—	50.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	4.79	0.11	< 0.005	—	8.18
Other Asphalt Surfaces	—	—	—	—	—	—	0.18	< 0.005	< 0.005	—	0.18
Total	—	—	—	—	—	—	4.97	0.11	< 0.005	—	8.36

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Condo/Townh	—	—	—	—	—	—	28.9	0.64	0.02	—	49.4
Other Asphalt Surfaces	—	—	—	—	—	—	1.06	< 0.005	< 0.005	—	1.06
Total	—	—	—	—	—	—	30.0	0.64	0.02	—	50.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	28.9	0.64	0.02	—	49.4
Other Asphalt Surfaces	—	—	—	—	—	—	1.06	< 0.005	< 0.005	—	1.06
Total	—	—	—	—	—	—	30.0	0.64	0.02	—	50.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	4.79	0.11	< 0.005	—	8.18
Other Asphalt Surfaces	—	—	—	—	—	—	0.18	< 0.005	< 0.005	—	0.18
Total	—	—	—	—	—	—	4.97	0.11	< 0.005	—	8.36

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	34.2	3.42	0.00	—	120
Other Asphalt Surfaces	—	—	—	—	—	—	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	34.2	3.42	0.00	—	120
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Condo/Townh	—	—	—	—	—	—	34.2	3.42	0.00	—	120
Other Asphalt Surfaces	—	—	—	—	—	—	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	34.2	3.42	0.00	—	120
Annual	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	5.67	0.57	0.00	—	19.8
Other Asphalt Surfaces	—	—	—	—	—	—	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	5.67	0.57	0.00	—	19.8

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	34.2	3.42	0.00	—	120
Other Asphalt Surfaces	—	—	—	—	—	—	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	34.2	3.42	0.00	—	120
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	34.2	3.42	0.00	—	120
Other Asphalt Surfaces	—	—	—	—	—	—	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	34.2	3.42	0.00	—	120
Annual	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	5.67	0.57	0.00	—	19.8

Other Asphalt Surfaces	—	—	—	—	—	—	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	5.67	0.57	0.00	—	19.8

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	1.01	1.01
Total	—	—	—	—	—	—	—	—	—	1.01	1.01
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	1.01	1.01
Total	—	—	—	—	—	—	—	—	—	1.01	1.01
Annual	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	0.17	0.17
Total	—	—	—	—	—	—	—	—	—	0.17	0.17

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	1.01	1.01

Total	—	—	—	—	—	—	—	—	—	1.01	1.01
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	1.01	1.01
Total	—	—	—	—	—	—	—	—	—	1.01	1.01
Annual	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	0.17	0.17
Total	—	—	—	—	—	—	—	—	—	0.17	0.17

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	11/1/2025	11/29/2025	5.00	20.0	—
Site Preparation	Site Preparation	11/30/2025	12/7/2025	5.00	5.00	—
Grading	Grading	12/8/2025	12/19/2025	5.00	8.00	—
Building Construction	Building Construction	12/20/2025	11/7/2026	5.00	230	—
Paving	Paving	11/8/2026	12/3/2026	5.00	18.0	—
Architectural Coating	Architectural Coating	12/4/2026	12/29/2026	5.00	18.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Crawler Tractors	Diesel	Average	3.00	8.00	87.0	0.43
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.00	7.00	84.0	0.37

Paving	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Crawler Tractors	Diesel	Average	3.00	8.00	87.0	0.43
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	84.0	0.37

Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	105	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	61.9	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	9.19	10.2	HHDT,MHDT

Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	12.4	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	105	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT

Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	61.9	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	9.19	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	12.4	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	285,375	95,125	0.00	0.00	3,920

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	8,385	—
Site Preparation	—	—	17.5	0.00	—
Grading	—	—	20.0	0.00	—
Paving	0.00	0.00	0.00	0.00	1.50

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Condo/Townhouse	—	0%
Other Asphalt Surfaces	1.50	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005

2026	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VM/Weekday	VM/Saturday	VM/Sunday	VM/Year
Condo/Townhouse	630	700	540	228,788	6,365	7,078	5,460	2,313,136
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VM/Weekday	VM/Saturday	VM/Sunday	VM/Year
Condo/Townhouse	630	700	540	228,788	6,365	7,078	5,460	2,313,136
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	86
Conventional Wood Stoves	0

Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	86
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
285375.14999999997	95,125	0.00	0.00	3,920

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Condo/Townhouse	394,926	346	0.0330	0.0040	2,066,611
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Condo/Townhouse	396,868	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Condo/Townhouse	3,227,206	380,424
Other Asphalt Surfaces	0.00	210,308

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Condo/Townhouse	3,227,206	380,424
Other Asphalt Surfaces	0.00	210,308

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	63.5	—
Other Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	63.5	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.03	annual days of extreme heat
Extreme Precipitation	3.50	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	1.31	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	57.8
AQ-PM	73.8

AQ-DPM	85.3
Drinking Water	53.8
Lead Risk Housing	71.1
Pesticides	0.00
Toxic Releases	90.8
Traffic	98.3
Effect Indicators	—
CleanUp Sites	91.8
Groundwater	0.00
Haz Waste Facilities/Generators	82.8
Impaired Water Bodies	0.00
Solid Waste	22.1
Sensitive Population	—
Asthma	55.8
Cardio-vascular	47.8
Low Birth Weights	41.7
Socioeconomic Factor Indicators	—
Education	75.4
Housing	48.1
Linguistic	66.9
Poverty	54.4
Unemployment	28.2

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	55.40870012

Employed	82.72808931
Median HI	52.89362248
Education	—
Bachelor's or higher	35.41639933
High school enrollment	100
Preschool enrollment	31.82343128
Transportation	—
Auto Access	58.09059412
Active commuting	62.68446041
Social	—
2-parent households	93.16052868
Voting	23.85474143
Neighborhood	—
Alcohol availability	53.74053638
Park access	48.29975619
Retail density	98.84511741
Supermarket access	72.33414603
Tree canopy	38.34210189
Housing	—
Homeownership	37.89298088
Housing habitability	43.38508918
Low-inc homeowner severe housing cost burden	27.93532658
Low-inc renter severe housing cost burden	78.69883229
Uncrowded housing	20.37726165
Health Outcomes	—
Insured adults	24.71448736
Arthritis	67.1
Asthma ER Admissions	50.7

High Blood Pressure	72.3
Cancer (excluding skin)	55.0
Asthma	49.0
Coronary Heart Disease	61.0
Chronic Obstructive Pulmonary Disease	53.7
Diagnosed Diabetes	54.0
Life Expectancy at Birth	67.7
Cognitively Disabled	95.5
Physically Disabled	83.0
Heart Attack ER Admissions	78.0
Mental Health Not Good	41.5
Chronic Kidney Disease	45.1
Obesity	51.8
Pedestrian Injuries	60.5
Physical Health Not Good	44.3
Stroke	58.2
Health Risk Behaviors	—
Binge Drinking	15.4
Current Smoker	44.4
No Leisure Time for Physical Activity	40.3
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	64.0
Elderly	60.7
English Speaking	29.3
Foreign-born	72.2
Outdoor Workers	33.6

Climate Change Adaptive Capacity	—
Impervious Surface Cover	46.9
Traffic Density	99.3
Traffic Access	23.0
Other Indices	—
Hardship	66.1
Other Decision Support	—
2016 Voting	58.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	71.0
Healthy Places Index Score for Project Location (b)	57.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
 b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Land Use	Total project site 3.72 acre. 40,243 sq ft landscaped
Operations: Hearths	No woodstoves or fireplaces
Operations: Vehicle Data	Default Trip Rates Used
Construction: Off-Road Equipment	Tractor/Loader/Backhoes changed to Crawler Tractors in Site Preparation and Grading Phases

Petroleum Fuel Usage Calculations

Construction-Related Petroleum Fuels

The off-road construction equipment fuel usage was calculated through use of the off-road equipment assumptions utilized in the CalEEMod model run provided in Appendix A and the fuel usage calculations provided in the 2017 Off-road Diesel Emission Factors spreadsheet, prepared by CARB. The Spreadsheet provides the following formula to calculate fuel usage from off-road equipment:

Fuel Used = Load Factor x Horsepower x Total Operational Hours x BSFC / Unit Conversion

Where:

Load Factor - Obtained from CalEEMod default values

Horsepower – Obtained from CalEEMod default values

Total Operational Hours – Calculated by multiplying CalEEMod default daily hours by the estimated number of working days for each phase of construction

BSFC – Brake Specific Fuel Consumption (pounds per horsepower-hour) – If less than 100 Horsepower = 0.408, if greater than 100 Horsepower = 0.367

Unit Conversion – Converts pounds to gallons = 7.109

The Following Table shows the off-road construction equipment fuel calculations based on the above formula, which shows that the off-road equipment utilized during construction of the proposed project would consume 32,645 gallons of diesel fuel.

Off-Road Construction Equipment Modeled in CalEEMod and Fuel Used

Equipment Type	Equipment Quantity	Horse-Power	Load Factor	Operating Hours Per Day	Total Operational Hours ¹	Fuel Used (gallons)
Demolition						
Concrete/Industrial Saw	1	33	0.73	8	160	221
Excavators	3	36	0.38	8	480	377
Rubber Tired Dozers	2	367	0.4	8	320	2,425
Site Preparation						
Rubber Tired Dozers	3	367	0.4	8	120	909
Crawler Tractors	4	87	0.43	8	160	344
Grading						
Excavator	1	36	0.38	8	64	50
Grader	1	148	0.41	8	64	200
Rubber Tired Dozer	1	367	0.4	8	64	485
Crawler Tractors	3	87	0.43	8	192	412
Building Construction						
Crane	1	367	0.29	7	1,610	8,846
Forklifts	3	82	0.2	8	5,520	5,196
Generator Set	1	14	0.74	8	1,840	1,094
Tractors/Loaders/Backhoes	3	84	0.37	7	4,830	8,615
Welder	1	46	0.45	8	1,840	2,186
Paving						
Cement and Mortar Mixers	2	10	0.56	6	216	69
Paver	1	81	0.42	8	144	281
Paving Equipment	2	89	0.36	6	216	397
Rollers	2	36	0.38	6	216	170
Tractors/Loaders/Backhoes	1	84	0.37	8	144	257
Architectural Coatings						
Air Compressor	1	37	0.48	6	108	110
Total Off-Road Equipment Diesel Fuel used during Construction (gallons)						32,645

Notes:

¹ Based on 20 days for Demolition, 5 days for Site Preparation, 8 days for Grading , 230 days for Building Construction, 18 days for Paving, and 18 days for Architectural Coatings.

Source: CalEEMod Version 2022.1, CARB, 2017.

The on-road construction-related vehicle trips fuel usage was calculated through use of the default construction vehicle trip assumptions from the CalEEMod model run. The calculated total construction miles were then divided by the fleet average for Orange County miles per gallon rates for the year 2025 that were calculated through use of the EMFAC2021 model and the EMFAC2021 model printouts are attached. The worker trips were based on the combined fleet average miles per gallon rates for gasoline powered automobiles, SUVs and pickup trucks and the

vendor and haul truck trips were based on the combined T4, T5, T6 and T7 diesel trucks fleet average miles per gallon rate. The following Table shows the on-road construction vehicle trips modeled in CalEEMod and the fuel usage calculations, which shows that the on-road construction-related vehicle trips would consume 10,614 gallons of gasoline and 7,924 gallons of diesel fuel during construction of the proposed project.

On-Road Construction Vehicle Trips Modeled in CalEEMod and Fuel Used

Vehicle Trip Types / Fuel Type	Daily Trips	Trip Length (miles)	Total per Day (miles)	Total per Phase (miles)	Fleet Average Miles per Gallon	Fuel Used (gallons)
Demolition						
Worker (Gasoline)	15	18.5	278	5,550	26.7	208
Haul (Diesel)	105	20	2,100	42,000	8.0	5,236
Site Preparation						
Worker (Gasoline)	17.5	18.5	324	1,619	26.7	61
Grading						
Worker (Gasoline)	15	18.5	278	2,220	26.7	83
Building Construction						
Worker (Gasoline)	61.9	18.5	1,145	263,385	26.7	9,859
Vendor (Diesel)	9.19	10.2	94	21,560	8.0	2,688
Paving						
Worker (Gasoline)	20	18.5	370	6,660	26.7	249
Architectural Coatings						
Worker (Gasoline)	12.4	18.5	229	4,129	26.7	155
Total Gasoline Fuel Used from On-Road Construction Trips (gallons)						10,614
Total Diesel Fuel Used from On-Road Construction Trips (gallons)						7,924

Notes:

¹ Based on 20 days for Demolition, 5 days for Site Preparation, 8 days for Grading , 230 days for Building Construction, 18 days for Paving, and 18 days for Architectural Coatings..

Source: CalEEMod Version 2022.1, CARB, 2017.

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: Sub-Area

Region: Orange (SC)

Calendar Year: 2025

Season: Annual

Vehicle Classification: EMFAC202x Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Y	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	Trips	Fuel Consumption
Orange (SC)	2025	LDA	Aggregate	Aggregate	Gasoline	1056312.5	41885606.8	4931032	1364.8
Orange (SC)	2025	LDT1	Aggregate	Aggregate	Gasoline	96357.0	3443415.1	428004	134.4
Orange (SC)	2025	LDT2	Aggregate	Aggregate	Gasoline	529834.5	21568113.0	2489359	861.0
Orange (SC)	2025	MCY	Aggregate	Aggregate	Gasoline	51011.4	325908.3	102023	7.7
Orange (SC)	2025	MDV	Aggregate	Aggregate	Gasoline	325580.0	12660247.4	1510578	622.3
Orange (SC)	2025	T6 Instate Delivery Class 4	Aggregate	Aggregate	Diesel	2558.2	86213.7	36505	9.7
Orange (SC)	2025	T6 Instate Delivery Class 5	Aggregate	Aggregate	Diesel	2068.4	70276.2	29516	7.9
Orange (SC)	2025	T6 Instate Delivery Class 6	Aggregate	Aggregate	Diesel	6438.5	217570.9	91878	24.6
Orange (SC)	2025	T6 Instate Delivery Class 7	Aggregate	Aggregate	Diesel	835.7	45713.9	11926	4.9
Orange (SC)	2025	T6 Instate Other Class 4	Aggregate	Aggregate	Diesel	2178.4	91239.6	25182	10.3
Orange (SC)	2025	T6 Instate Other Class 5	Aggregate	Aggregate	Diesel	5118.0	221201.9	59164	24.9
Orange (SC)	2025	T6 Instate Other Class 6	Aggregate	Aggregate	Diesel	4216.0	180218.8	48737	20.3
Orange (SC)	2025	T6 Instate Other Class 7	Aggregate	Aggregate	Diesel	2143.9	100079.4	24784	11.0
Orange (SC)	2025	T6 Instate Tractor Class 6	Aggregate	Aggregate	Diesel	31.9	1649.4	368	0.2
Orange (SC)	2025	T6 Instate Tractor Class 7	Aggregate	Aggregate	Diesel	1310.2	81212.0	15146	8.4
Orange (SC)	2025	T6 Public Class 5	Aggregate	Aggregate	Diesel	114.7	4123.7	588	0.5
Orange (SC)	2025	T7 Single Concrete/Transit Mix	Aggregate	Aggregate	Diesel	285.1	19717.7	2686	3.2
Orange (SC)	2025	T7 Single Dump Class 8	Aggregate	Aggregate	Diesel	1034.1	60272.0	9741	10.1
Orange (SC)	2025	T7 SWCV Class 8	Aggregate	Aggregate	Diesel	242.8	15765.3	1117	5.9
Orange (SC)	2025	T7 Tractor Class 8	Aggregate	Aggregate	Diesel	2599.0	193841.2	37764	31.2
Worker (Autos) vehicle miles per day							79,883,291		2,990 1,000 gall per day
Workers (Autos) Avg Miles per gallon							26.7		2,990,107 gallons per day
Diesel Truck vehicle miles per day							1,389,096		173 1,000 gall per day
Diesel Truck Fleet Avg Miles per gallon							8.0		173,180 gallons per day

DIESEL EMISSIONS HEALTH RISK ASSESSMENT

2020 E. FIRST STREET RESIDENTIAL PROJECT

CITY OF SANTA ANA

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ACRONYMS AND ABBREVIATIONS

Air Basin	South Coast Air Basin
CalEEMod	California Emissions Estimator Model
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CEC	California Energy Commission
CEQA	California Environmental Quality Act
City	City of Santa Ana
DPM	Diesel particulate matter
EPA	Environmental Protection Agency
HAP	Hazardous Air Pollutants
HRA	Health Risk Assessment
MATES	Multiple Air Toxics Exposure Study
MSAT	Mobile Source Air Toxics
NAAQS	National Ambient Air Quality Standards
PM	Particle matter
PM10	Particles that are less than 10 micrometers in diameter
PM2.5	Particles that are less than 2.5 micrometers in diameter
PPM	Parts per million
SB	Senate Bill
SCAQMD	South Coast Air Quality Management District
SCAG	Southern California Association of Governments
TAC	Toxic air contaminants

1.0 INTRODUCTION

1.1 Purpose of Analysis

This Health Risk Assessment (HRA) has been completed to determine the potential health risks from nearby stationary and nonstationary emission sources of toxic air contaminants (TACs) to the future residents that would live at the 2020 E. First Street Residential project (proposed project).

The proposed project would locate homes as near as 330 feet northeast of Interstate 5. This HRA has been prepared in order to address Policy CN-1.5 from the *Santa Ana General Plan Final*, April 2022, which is shown below.

Policy CN-1.5 Sensitive Receptor Decisions

Consider potential impacts of stationary and nonstationary emission sources on existing and proposed sensitive uses and opportunities to minimize health and safety risks. Develop and adopt new regulations on the siting of facilities that might significantly increase pollution near sensitive receptors within environmental justice boundaries.

The following is provided in this report:

- A description of the proposed project;
- A description of TACs;
- A description of the modeling parameters utilized in this analysis; and
- An analysis of TAC concentrations impacting the proposed homes and a comparison of the calculated cancer and acute non-cancer risks with applicable thresholds.

1.2 Site Location and Study Area

The project site is located in the northeastern portion of the City of Santa Ana (City) at 2020 East First Street. The approximately 3.72 acre project site currently has a vacant office building in the northern portion of the project site and a surface parking lot on the southern portion of the project site. The project site is bounded by First Street and commercial uses to the north, residential apartments to the east, a school and Interstate 5 (as near as 330 feet to project site) to the south, and an athletic field and office uses to the west. The project study area is shown in Figure 1.

1.3 Proposed Project Description

The proposed project consists of demolishing the existing uses on-site for the development of 86 residential units, including 80 three-story attached townhomes plus 6 four-story urban duplex homes on approximately 3.72 acres. The townhomes would consist of either 2-bedroom, 3-bedroom, or 4-bedroom units and would range in size from 1,215 square feet to 1,781 square feet. The urban duplex homes would be 2,141 square feet with 3 bedrooms and would provide shop-front frontage to create an urban street wall. The proposed site plan is shown in Figure 2.

Access to the site would be accommodated via existing Driveway 1 (right-in/right-out access only) and Driveway 2 (full access) on East 1st Street. A total of 192 parking spaces would be provided. Each residential unit would have a private 2-car garage. Additionally, 22 guest parking spaces would be available.

1.4 Area of TAC Emissions Analysis

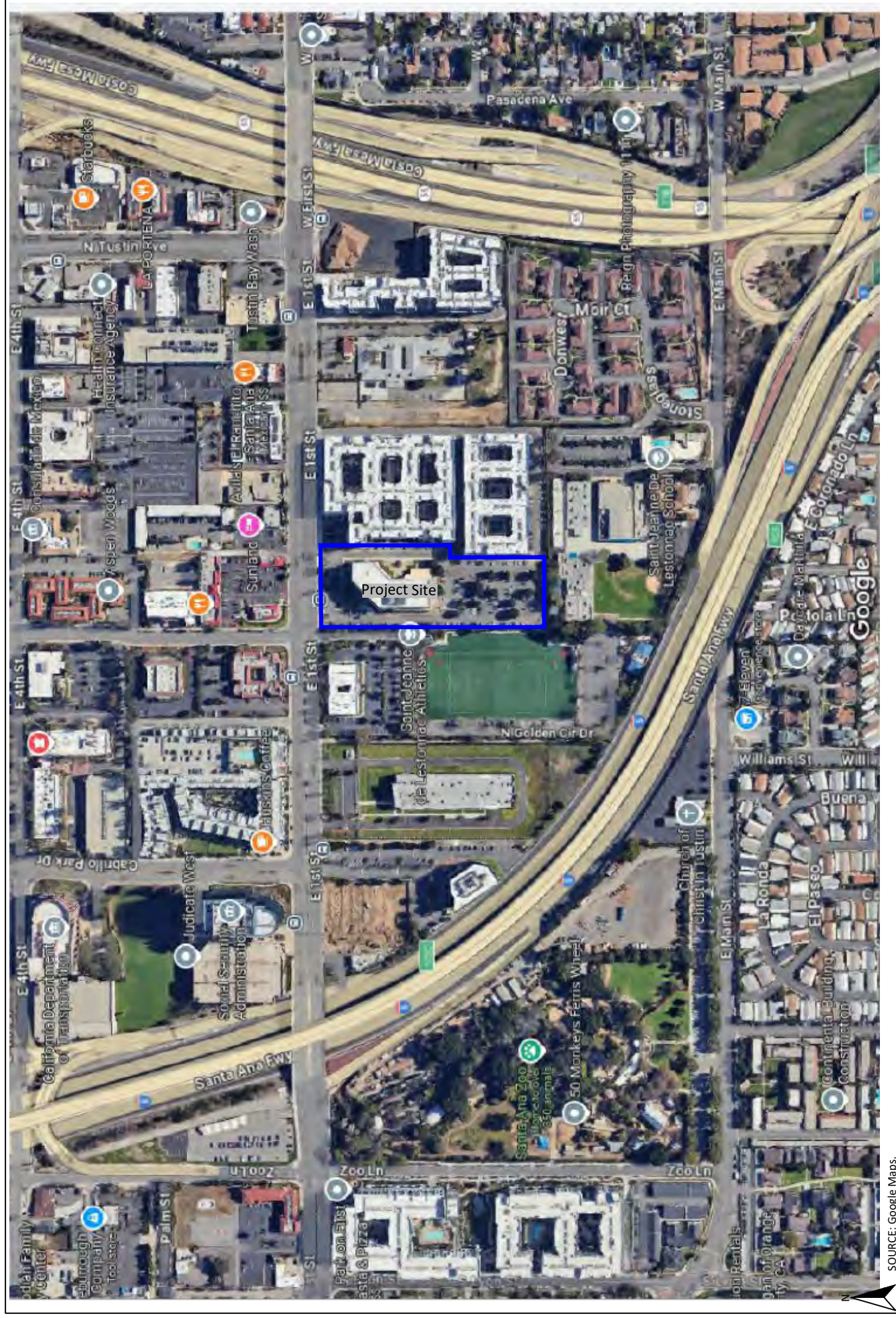
Since toxic air contaminants (TAC) concentrations typically dissipate quickly, it should be noted that in order for TAC concentrations to be high enough to cause a measurable increase in cancer and non-cancer risks, the sources of the TAC emissions need to be located in close proximity to the impacted residents. Since the City's Draft General Plan does not define the extents of area that could potentially create TAC emissions at high enough levels to impact the proposed homes, an analysis of distances utilized by other public agencies was conducted, which found the following.

- The *Health Risk Assessments for Proposed Land Use Projects*, prepared by CAPCOA, July 2009, provides screening distances of 1,000 feet between residential uses and industrial uses and 500 feet between residential uses and a freeway.
- The City of Irvine, which has codified into their Municipal Code an ordinance requiring the preparation of HRAs for residential uses within their business park also utilizes an analysis distance of 1,000 feet between proposed residential uses and existing industrial uses.

From the above references, the distance of 1,000 feet has been utilized in this analysis.

1.5 Summary of Analysis

This analysis found that through implementation of the 2022 California Code of Regulations Title 24, Part 6 standards that require the installation of positive static pressure forced air HVAC systems that are equipped with a high efficiency MERV 13 filter in the air intake for the HVAC system into all new homes built in California, is adequate to reduce the cancer and non-cancer (acute and chronic) risks from diesel particulate matter (DPM) to within acceptable levels as defined by the SCAQMD.



SOURCE: Google Maps.

Figure 1
Project Study Area

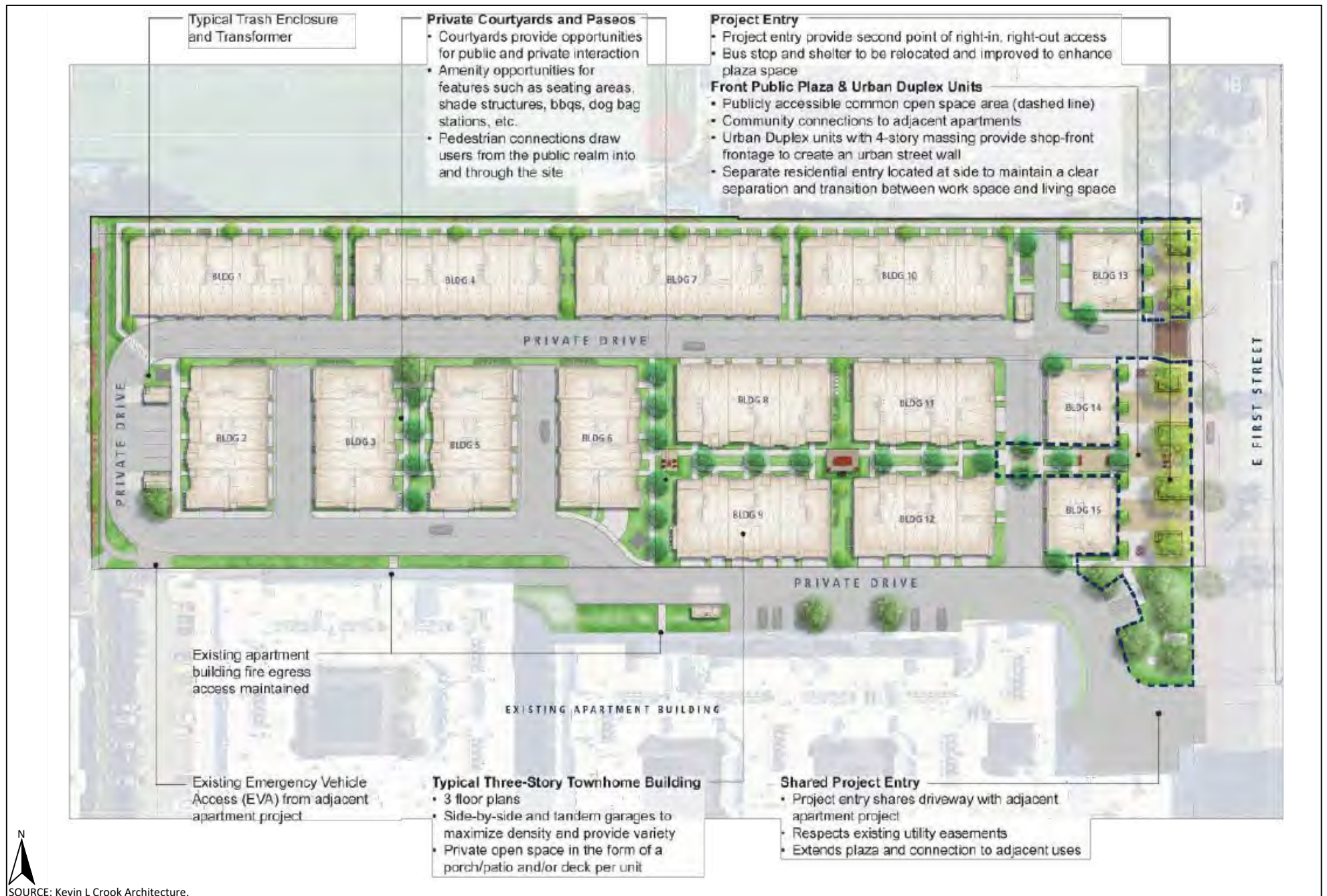


Figure 2
Proposed Site Plan

2.0 ATMOSPHERIC SETTING

The project site is located within the central portion of Orange County in the City of Santa Ana, which is part of the South Coast Air Basin (Air Basin) that includes all of Orange County as well as the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. Orange County is located on a coastal plain with connecting broad valleys and low hills to the east. Regionally, the Air Basin is bounded by the Pacific Ocean to the southwest and high mountains to the east forming the inland perimeter. The general region lies in the semi-permanent high-pressure zone of the eastern Pacific. As a result, the climate is mild, tempered by cool sea breezes. Occasional periods of strong Santa Ana winds and winter storms interrupt the otherwise mild weather pattern.

Although the Air Basin has a semi-arid climate, the air near the surface is typically moist because of the presence of a shallow marine layer. Except for infrequent periods when dry air is brought into the Air Basin by offshore winds, the ocean effect is dominant. Periods of heavy fog are frequent and low stratus clouds, often referred to as “high fog” are a characteristic climate feature.

Winds are an important parameter in characterizing the air quality environment of a project site because they determine the regional pattern of air pollution transport and control the rate of dispersion near a source. Daytime winds in Orange County are usually light breezes from off the coast as air moves regionally onshore from the cool Pacific Ocean. These winds are usually the strongest in the dry summer months. Nighttime winds in Orange County are a result mainly from the drainage of cool air off of the mountains to the east and they occur more often during the winter months and are usually lighter than the daytime winds. Between the periods of dominant airflow, periods of air stagnation may occur, both in the morning and evening hours. Whether such a period of stagnation occurs is one of the critical determinants of air quality conditions on any given day. The wind rose from the Anaheim Monitoring Station, which is the nearest monitoring station to the project site is shown in Figure 3.

During the winter and fall months, surface high-pressure systems north of the Air Basin combined with other meteorological conditions, can result in very strong winds, called “Santa Ana Winds”, from the northeast. These winds normally have durations of a few days before predominant meteorological conditions are reestablished. The highest wind speed typically occurs during the afternoon due to daytime thermal convection caused by surface heating. This convection brings about a downward transfer of momentum from stronger winds aloft. It is not uncommon to have sustained winds of 60 miles per hour with higher gusts during a Santa Ana Wind event. The wind rose from John Wayne Airport, which is the nearest monitoring station to the project site is shown in Figure 3.

The temperature and precipitation levels for the Santa Ana Monitoring Station is shown below in Table A. Table A shows that August is typically the warmest month and December is typically the coolest month. Rainfall in the project area varies considerably in both time and space. Almost all the annual rainfall comes from the fringes of mid-latitude storms from late November to early April, with summers being almost completely dry.

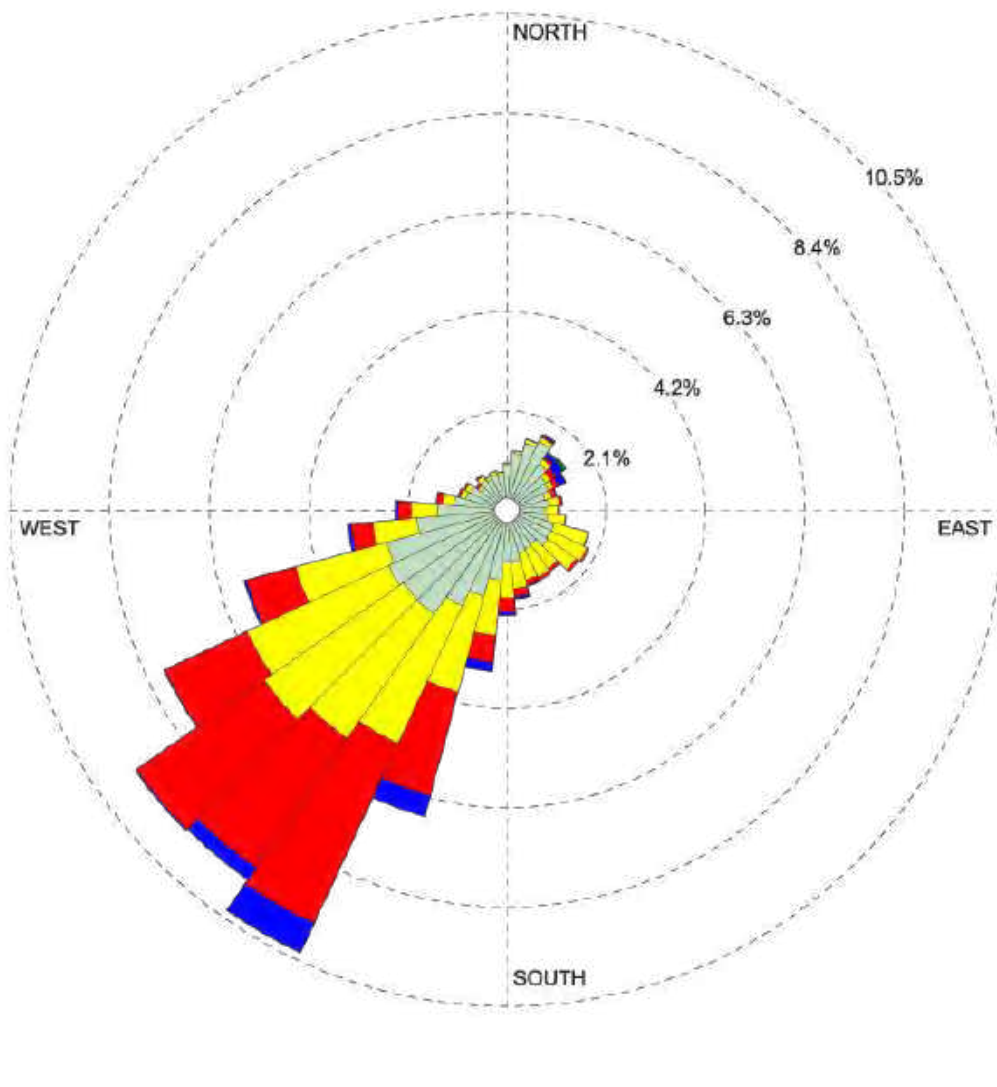
Table A – Monthly Climate Data

Month	Average Maximum Temperature (°F)	Average Minimum Temperature (°F)	Average Total Precipitation (inches)
January	68.1	43.1	2.73
February	68.9	44.9	3.05
March	70.7	46.7	2.21
April	73.1	50.0	1.05
May	75.2	54.0	0.25
June	78.6	57.4	0.06
July	83.5	60.9	0.02
August	84.7	61.6	0.06
September	83.9	59.3	0.22
October	79.4	54.5	0.49
November	74.2	47.5	1.28
December	68.8	43.6	2.28
Annual	75.8	52.0	13.69

Source: <https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca7888>

WIND ROSE PLOT:
Station #93184

DISPLAY:
Wind Speed
Direction (blowing from)



COMMENTS:

DATA PERIOD:

Start Date: 1/1/2012 - 00:00
End Date: 12/31/2016 - 23:59

COMPANY NAME:

MODELER:

CALM WINDS:

3.42%

TOTAL COUNT:

43602 hrs.

AVG. WIND SPEED:

4.72 Knots

DATE:

8/23/2022

PROJECT NO.:

SOURCE: SCAOMD.

3.0 TOXIC AIR CONTAMINANTS

Toxic air contaminants (TACs) is a term that is defined under the California Clean Air Act and consists of the same substances that are defined as Hazardous Air Pollutants (HAPs) in the Federal Clean Air Act. There are over 700 hundred different types of TACs with varying degrees of toxicity. Sources of TACs include industrial processes such as petroleum refining and chrome plating operations, commercial operations such as gasoline stations and dry cleaners, and motor vehicle exhaust. Cars and trucks release at least 40 different toxic air contaminants. The most important of these TACs, in terms of health risk, are diesel particulates, benzene, formaldehyde, 1,3-butadiene, and acetaldehyde. Public exposure to TACs can result from emissions from normal operations as well as from accidental releases. Health effects of TACs include cancer, birth defects, neurological damage, and death.

3.1 Diesel Particulate Matter

According to *The California Almanac of Emissions and Air Quality 2013 Edition*, the majority of the estimated health risk from TACs can be attributed to relatively few compounds, the most important of which is DPM. DPM is a subset of PM_{2.5} because the size of diesel particles are typically 2.5 microns and smaller. The identification of DPM as a TAC in 1998 led the California Air Resources Board (CARB) to adopt the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-fueled Engines and Vehicles in September 2000. The plan's goals are a 75-percent reduction in DPM by 2010 and an 85-percent reduction by 2020 from the 2000 baseline. Diesel engines emit a complex mixture of air pollutants, composed of gaseous and solid material. The visible emissions in diesel exhaust are known as particulate matter or PM, which includes carbon particles or "soot." Diesel exhaust also contains a variety of harmful gases and over 40 other cancer-causing substances. California's identification of DPM as a toxic air contaminant was based on its potential to cause cancer, premature deaths, and other health problems. Exposure to DPM is a health hazard, particularly to children whose lungs are still developing and the elderly who may have other serious health problems. Overall, diesel engine emissions are responsible for the majority of California's potential airborne cancer risk from combustion sources.

3.2 Asbestos

Asbestos is listed as a TAC by CARB and as a Hazardous Air Pollutant by the EPA. Asbestos occurs naturally in mineral formations and crushing or breaking these rocks, through construction or other means, can release asbestiform fibers into the air. Asbestos emissions can result from the sale or use of asbestos-containing materials, road surfacing with such materials, grading activities, and surface mining. The risk of disease is dependent upon the intensity and duration of exposure. When inhaled, asbestos fibers may remain in the lungs and with time may be linked to such diseases as asbestosis, lung cancer, and mesothelioma. The nearest likely locations of naturally occurring asbestos, as identified in the *General Location Guide for Ultramafic Rocks in California*, prepared by the California Division of Mines and Geology, is located in Santa Barbara County. The nearest historic asbestos mine to the project site, as identified in the *Reported Historic Asbestos Mines, Historic Asbestos Prospects, and Other Natural Occurrences of Asbestos in California*, prepared by U.S. Geological Survey, is located at Asbestos Mountain, which is approximately 75 miles east of the project site in the San Jacinto Mountains. Due to the distance to the nearest natural occurrences of asbestos, the project site is not likely to contain asbestos.

3.3 TAC Regulatory Setting

The TACs emissions from the nearby existing uses are addressed through the efforts of various federal, state, regional, and local government agencies. These agencies work jointly, as well as individually, to reduce TACs through legislation, regulations, planning, policy-making, education, and a variety of programs. The agencies responsible for improving TACs are discussed below.

Federal and State

The United States Environmental Protection Agency (EPA) is responsible for setting and enforcing the National Ambient Air Quality Standards (NAAQS) for atmospheric pollutants. There are national standards for six common “criteria” air pollutants including ozone, nitrogen dioxide, carbon monoxide, particulate matter (PM₁₀ and PM_{2.5}), lead, and sulfur dioxide, which were identified from provisions of the Clean Air Act of 1970. California, under the California Clean Air Act, has also defined a set of health protective California Ambient Air Quality Standards (CAAQS).

Besides the “criteria” air pollutants, there is another group of substances found in ambient air referred as Hazardous Air Pollutants (HAPs) under the Federal Clean Air Act and Toxic Air Contaminants (TACs) under the California Clean Air Act. These contaminants tend to be localized to their sources and are found in relatively low concentrations in ambient air. They are regulated at the federal, state and regional levels, due to their potential of causing adverse health effects from exposure to low concentrations for long periods of time. HAPs are the air contaminants identified by the EPA as known or suspected to cause cancer, serious illness, birth defects, or death. Many of the contaminants originate from human activities, such as fuel combustion and solvent use. Mobile Source Air Toxics (MSATs) are a subset of the 188 identified HAPs. Of the 21 different HAPs that constitute the MSATs, there are six primary HAPs identified that include diesel exhaust, benzene, formaldehyde, acetaldehyde, acrolein, and 1, 3-butadiene. While vehicle miles traveled in the United States is anticipated to increase by 64 percent between 2000 and 2020, emissions of MSATs are anticipated to decrease between 57 and 67 percent as a result of efforts to control mobile source emissions.

The CARB Statewide comprehensive air toxics program was established in the early 1980s. The TAC Identification and Control Act (Assembly Bill 1807, Tanner 1983 [AB 1807]) created California’s program to reduce exposure to air toxics. The Air Toxics “Hot Spots” Information and Assessment Act (Assembly Bill 2588, Connelly 1987 [AB 2588]) supplements the AB 1807 program by requiring a statewide air toxics inventory, notification of people exposed to a significant health risk, and facility plans to reduce these risks.

AB 1807, requires the CARB to identify and control TACs. In selecting substances, the CARB must consider “the risk of harm to the public health, amount or potential amount of emissions, manner of, and exposure to, usage of the substance in California, persistence in the atmosphere, and ambient concentrations in the community.” AB 1807 also requires the CARB to use available information gathered from the AB 2588 program to include in the prioritization of compounds. In 1992, the Hot Spots Act was amended by Senate Bill 1731, to require facilities that pose a significant health risk to reduce their risk through a risk management plan.

In 2000, the CARB approved a comprehensive Diesel Risk Reduction Plan to reduce diesel emissions from both new and existing diesel-fueled engines and vehicles. The goal of the plan is to reduce PM emissions and the associated health risks by 75 percent by 2010 and 85 percent by 2020. The plan provides a

roadmap that identifies steps CARB will be taking to develop specific regulations to reduce diesel particulate matter (DPM) emissions.

As a result of controls on motor vehicles, fuels, stationary sources, and consumer products, the public's exposure to air toxics has decreased dramatically. Between the early 1990's and today, the decrease in statewide average health risk ranged from approximately 20 percent from formaldehyde to approximately 90 for perchlorethylene. 1,3-butadiene and benzene have also seen significant decreases of 80 to 85 percent as a result of CARB's mobile source control program. In addition dioxins have been reduced by 99 percent in that time period, however that is primarily due to CARB's restrictions on medical waste incinerators.

Advanced Clean Fleets and Advanced Clean Truck Regulations

The Advanced Clean Fleets (ACF) and Advanced Clean Trucks (ACT) regulations that have been adopted by CARB¹ that provide the following milestones for zero emission vehicle (ZEV) fleets: Group 1 (2-axle trucks): 10% by 2025, 25% by 2028, 50% by 2031, 75% by 2033 and 100% by 2035. Group 2 (3-axle and 4+ axle trucks): 10% by 2027, 25% by 2030, 50% by 2033, 75% by 2036, and 100% by 2039.

CCR Title 13, Section 2025 - On-Road Diesel Truck Fleets

On December 12, 2008 the CARB adopted Resolution 08-43, which limits NOx, PM10 and PM2.5 emissions from on-road diesel truck fleets that operate in California. On October 12, 2009 Executive Order R-09-010 was adopted that codified Resolution 08-43 into Section 2025, title 13 of the California Code of Regulations. This regulation requires that by the year 2023 all commercial diesel trucks that operate in California shall meet model year 2010 (Tier 4 Final) or latter emission standards. This regulation also provides a few exemptions including a onetime per year 3-day pass for trucks registered outside of California and a low use exemption for trucks that operate less than 1,000 miles per year or less than 100 hours, if the truck operates in a stationary mode. As of January 1, 2020, the DMV will no longer register any vehicles that do not meet the Section 2025, title 13 requirements. All on-road diesel trucks utilized during construction of the proposed project will be required to comply with Resolution 08-43.

CCR Title 13, Section 2485 - Commercial Vehicle Idling and Auxiliary Power Systems

On October 20, 2005 the CARB approved regulatory measures including the adoption of Title 13, Chapter 9, Article 8, Section 2485 of the California Code of Regulations (CCR) (Section 2485), which regulates idling activities and auxiliary power systems (APS) in commercial vehicle vehicles with a vehicle weight rating of greater than 10,000 pounds. On December 5, 2014, the Office of Administrative Law (OAL) approved new Amendments Section 2485, which became effective on January 1, 2015, and now all APS systems operated in California are required to meet the Tier 4f emissions standards. Section 2485 also restricts vehicle idling to no more than five minutes at any one location and restricts the operation of an APS to no more than five minutes in any location within 100 feet of a sensitive receptor.

Regional

The South Coast Air Quality Management District (SCAQMD) is the agency principally responsible for comprehensive air pollution control for the South Coast Air Basin (Air Basin). The SCAQMD is responsible for regulating emissions primarily from stationary sources and certain area wide and indirect sources, but has no authority over motor vehicle emissions and other non-stationary sources of TAC emissions. To

1 Obtained from: <https://ww2.arb.ca.gov/resources/fact-sheets/advanced-clean-trucks-fact-sheet>

that end, as a regional agency, the SCAQMD works directly with the Southern California Association of Governments (SCAG), county transportation commissions, and local governments and cooperates actively with all federal and state agencies. The SCAQMD with coordination of SCAG is also responsible for developing, updating and implementing the Air Quality Plans for the Air Basin. In addition, the SCAQMD has prepared the *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*, August 2003, which sets forth recommended thresholds of significance, analysis methodologies, and provides guidance on mitigating significant TAC impacts.

In order to determine the Air Basin-wide risks associated with major airborne carcinogens, the SCAQMD conducted the Multiple Air Toxics Exposure Study (MATES) studies. According to the MATES V study (SCAQMD, 2021), the project site has an estimated cancer risk of 462 per million persons chance of cancer in the vicinity of the project site. In comparison, the average cancer risk for the Air Basin is 455 per million persons. The MATES V study that monitored air toxins between May 1, 2018 to April 30, 2019 found that cancer risk from air toxics has declined significantly in the Air Basin with a 40 percent decrease in cancer risk since the monitoring for the MATES IV study that occurred between July 1, 2012 and June 30, 2013 and an 84 percent decrease in cancer risk since the monitoring for the MATES II study that occurred between April 1, 1998 and March 31, 1999.

The MATES V study also analyzed impacts specific to the communities experiencing environmental injustices (EJ communities) that were evaluated using the Senate Bill 535 definition of disadvantaged communities, which found that between MATES IV and MATES V, the cancer risk from air toxics decreased by 57 percent in EJ communities overall, compared to a 53 percent reduction in non-EJ communities.

In order to provide a perspective of risk, it is often estimated that the incidence in cancer over a lifetime for the U.S. population ranges around 1 in 3, or a risk of about 300,000 per million persons. The MATES-III study referenced a Harvard Report on Cancer Prevention, which estimated that of cancers associated with known risk factors, about 30 percent were related to tobacco, about 30 percent were related to diet and obesity, and about 2 percent were associated with environmental pollution related exposures that includes hazardous air pollutants.

4.0 MODELING PARAMETERS AND ASSUMPTIONS

The dispersion modeling utilized for analyzing the TAC emissions in this analysis has been based on the recommended methodology described in *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel idling Emissions for CEQA Air Quality Analysis* (SCAQMD HRA Guidance), prepared by SCAQMD, 2003, *Air Toxics Hot Spots Program Risk Assessment Guidelines* (OEHHA Guidelines), prepared by Office of Environmental Health Hazard, February 2015, and *Risk Assessment Procedures for Rules 1401, 1401.1 and 212* (SCAQMD Risk Assessment Procedures), prepared by SCAQMD, September 1, 2017. Important issues that affect the dispersion modeling include the following: 1) Model Selection, 2) Source Treatment, 3) Meteorological Data, and 4) Receptor Grid. Each of these issues is addressed below

4.1 Model Selection

The AERMOD View Version 12.0.0 Model was used for all dispersion modeling. Key dispersion modeling options selected include the regulatory default option and urban modeling option for Orange County with a population of 3,010,232². Flagpole receptor height was set to 0 meters. AERMAP was run with a 1 degree USGS DEM Map of Santa Ana, which covers the project site.

Meteorological Data

Meteorological data from the John Wayne Airport Meteorological Station was selected for this modeling application. Meteorological data of years 2012 to 2016 was collected at the John Wayne Airport Station. The SCAQMD processed the data for input to the model. The elevation of 17 meters was utilized for the John Wayne Airport Station³.

Receptor Locations

Discrete receptors were placed on the corners of the project site and in the middle of the east and west sides of the project site. Figure 4 shows the locations of the sources and receptors modeled in the AERMOD model.

4.2 Emissions Assumptions

This assessment focused on estimating potential health risk impacts to the residents of the project from TAC emissions from diesel vehicle emissions from the portions of Interstate 5 and First Street that are located within a 1,000 feet of the project site.

Stationary Source Emissions

The SCAQMD requires all facilities that utilize stationary equipment that emit air emissions or TACs to obtain an air permit, and the details of each air permit can be found in the Facility Information Detail (FIND) database⁴. Air permits are required for chrome plating operations, facilities that use Hexavalent Chromium, dry cleaning facilities, gas stations, and from any industrial facility that releases TACs. Table B provides a list of all facilities that have an air permit within a 1,000 feet of the proposed residential uses.

² Obtained from: <https://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance>

³ Obtained from: <https://www.aqmd.gov/home/air-quality/meteorological-data/aermod-table-1>

⁴ Obtained from: <https://www.aqmd.gov/nav/FIND/facility-information-detail>

Table B – Facilities within a 1,000 Feet with a SCAQMD Air Permit

Facility Name	Facility Address	Distance from Project (feet)	New Source Review Emission Source?
HARBISON-WALKER REFRACTORIES	2110 E 1ST ST, SANTA ANA, CA 92705	230	No
CARL'S JR. RESTAURANT #492	2029 E FIRST ST, SANTA ANA, CA 92705	140	No
BSI CONSULTANTS	2001 E 1ST ST, SANTA ANA, CA 92705	150	No
RACQUETBALL WORLD, SANTA ANA	1901 E 1ST ST, SANTA ANA, CA 92705	800	No
THE PLAZA SAVINGS & LOAN	1820 E 1ST ST, SANTA ANA, CA 92705	720	No

Source: SCAQMD, 2024.

The SCAQMD requires that any new stationary source of emissions that would result in a facility increasing its emissions by one pound per day is subject to SCAQMD's facility permitting and New Source Review (NSR) rules provided in SCAQMD's Regulation XX – Regional Clean Air Incentives Market (RECLAIM)⁵. NSR requires facilities to utilize the best available control technologies (BACT) to reduce emissions and provides a regulatory process to ensure compliance, which includes calculating the facilities total emissions of each pollutant. None of the facilities listed in Table B, are subject to NSR, since they produce less than one pound per day of any stationary source emissions. As such, it can be reasonably concluded that the nearby industrial sources do not create TAC emissions at a level that would adversely impact the proposed residents and no further analysis of stationary sources of TAC emissions is provided in this Report.

Diesel Vehicle Emissions

The diesel vehicle emissions created from First Street have been calculated through use of the vehicle trip rates provided in the *Metro East Mixed Use Overlay Zone Final Environmental Impact Report* (MEMU EIR), March 2007, for the Buildout conditions that shows First Street between Cabrillo Park Drive and Tustin Street will have 29,500 Average Daily Traffic (ADT). It should be noted that the traffic counts provided in *2020 E. 1st Street Due Diligence Focused Traffic Assessment*, prepared by Urban Crossroads found that there is currently 19,008 ADT on First Street east of Golden Circle, so the use of the First Street ADT from the MEMU EIR provides for a worst-case analysis.

For Interstate 5, the vehicle trip rates were obtained from year 2022 traffic volumes provided by Caltrans⁶ that shows Interstate 5 north of State Route 55 has 311,900 ADT. The traffic volumes utilized in this analysis are shown in Table C.

In order to determine the percentage of vehicles that are diesel-powered, the EMFAC2021 Version 1.0.2 Emissions Inventory⁷ was run for Orange County for the year 2027 and the printout is provided in Appendix A, which provides the vehicles miles traveled (VMT) for each vehicle class that are segmented by diesel, natural gas, gasoline, electricity, and plug-in hybrid. As shown in Appendix A, the percentage of diesel VMT for non-trucks is 0.53 percent, for Truck 1 is 41.6 percent and for Truck 2 is 82.69 percent. The diesel vehicles ADTs for the nearby roadways is also shown in Table C.

⁵ Obtained from: <https://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/regulation-xx>

⁶ Obtained from: <https://dot.ca.gov/programs/traffic-operations/census>

⁷ Obtained from: <https://arb.ca.gov/emfac/>

Table C – Nearby Roadways Average Daily Traffic Volumes and Vehicle Mixes

Roadway	ADT	All Vehicles (ADT)			Diesel Vehicles (ADT) ¹		
		Automobiles	Medium Trucks	Heavy Trucks	Automobiles	Medium Trucks	Heavy Trucks
First Street ²	29,500	27,140	885	1,475	143	368	1,220
Interstate 5 ³	311,900	290,067	9,661	12,172	1,532	4,019	10,065

Notes:

¹ 0.53% of Autos, 41.6% of Medium Trucks and 82.69% of Heavy Trucks calculated to be diesel-powered (see Appendix A)

² ADTs and vehicle mixes obtained from City of Santa Ana, 2007.

³ Interstate 5 ADTs and vehicle Mixes obtained from Caltrans, 2022.

EMFAC2021 Model

The truck travel and truck idling emission rates were obtained from the EMFAC2021 model Version 1.0.2. The EMFAC2021 model is the most current emissions inventory model adopted by the EPA that calculates motor vehicle emissions from vehicles operating on roads in California. The EMFAC2021 includes the latest data on California's car and truck fleets and travel activity and also reflects the emissions reductions associated with CARB's recent rulemaking, including on-road diesel fleet rules, Advanced Clean Car Standards, and the Smartway/Phase I Heavy-Duty Vehicle GHG Regulations. The 3-axle and 4+-axle truck trips were modeled in the EMFAC2021 model through use of the Truck 2 Vehicle Category that covers all truck classifications over 14,000 pounds. The 2-axle (small truck) trips were modeled in the EMFAC2021 model through use of the Truck 1 Vehicle Category that covers all truck classifications between 8,500 and 14,000 pounds.

The vehicle speed for Interstate 5 was modeled at 55 miles per hour and the vehicle speed for First Street was modeled at 40 miles per hour. Since the cancer risk analysis is based on a 30-year analysis period, the analysis period was segmented into three age sensitivity time periods, aligned with the three different age sensitivity factors of: 1) when a woman is in her third trimester to when the baby is 2 years old; 2) from 2 years old to 16 years old; and 3) from 16 years old to 30 years old. The DPM PM2.5 running emission rates utilized in this assessment are shown in Table D. The EMFAC2021 model printouts are provided in Appendix A.

Table D – EMFAC2021 Model Diesel Truck Running DPM Emission Rates

Vehicle Class	Speed (mph)	EMFAC2021 PM2.5 Running Emissions Rates (grams/mile)		
		2027 to 2029	2030 to 2044	2045 to 2057
Non-Trucks	40	0.0106	0.0067	0.0036
	55	0.0122	0.0079	0.0041
Truck 1 (2-axle trucks)	40	0.0160	0.0138	0.0104
	55	0.0122	0.0104	0.0041
Truck 2 (3, 4 & 4+ axle trucks)	40	0.0067	0.0056	0.0056
	55	0.0137	0.0133	0.0138

Source: EMFAC2021 version 1.0.2.

Truck Travel

In order to simplify the modeling, the Non-Trucks, Trucks 1 and Trucks 2 PM2.5 emissions from the analyzed roadways were combined and analyzed as a single line volume source in AERMOD. The line volume source for First Street was modeled with a 6 foot height and 68 foot width and Interstate 5 was modeled with a 6 foot height and 174 foot width.

The PM2.5 emission rates entered into the AERMOD model are shown below in Table E. The road source emissions were determined by calculating the time each vehicle takes to cross the road length and then multiplying that amount of time by the daily operations for each vehicle class and dividing it by 24 hours in order to determine the percent of daily running time. The daily running time was then multiplied by the EMFAC2021 emissions rates that are detailed above and were converted to grams per second.

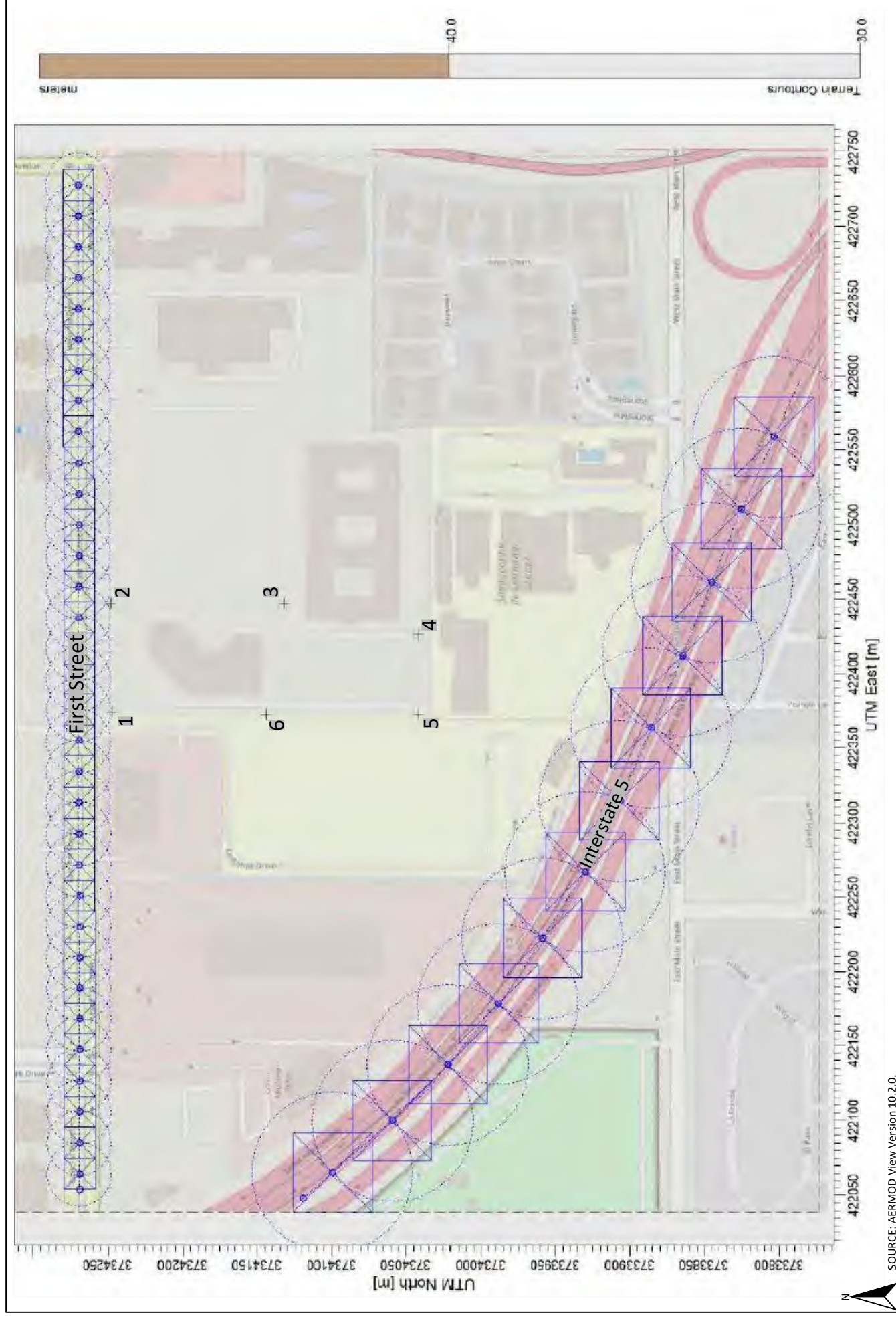
Table E – AERMOD Model Operational DPM Roadway Emissions Sources

Source ID	Description	Length of Road (meters)	Diesel Vehicles Daily Trips ¹	PM2.5 Emission Rate (grams/second) ²		
				2027 to 2029	2030 to 2044	2045 to 2057
FIRSTST	Non-Trucks	686	502	7.50E-06	4.74E-06	2.55E-06
	Trucks 1		443	2.90E-05	2.51E-05	1.89E-05
	Trucks 2		1,401	2.13E-04	2.07E-04	2.07E-04
	First Street Total			2.50E-04	2.37E-04	2.28E-04
I5	Non-Trucks	653	5,366	8.75E-05	5.72E-05	2.93E-04
	Trucks 1		4,831	2.30E-04	1.96E-04	7.75E-05
	Trucks 2		11,563	1.64E-03	1.62E-03	1.64E-03
	Interstate 5 Total			1.95E-03	1.87E-03	1.75E-03

Notes:

¹ Diesel Vehicles Daily Trips obtained from Table C above.

² Emission Rates calculated by converting the EMFAC emissions factors to grams per second and multiplying by percent running time (time of travel for one vehicle across roadway * daily vehicle trips / 24 hours)



SOURCE: AERMOD View Version 10.2.0.

Figure 4
AERMOD Model Sources and Receptors Placement

5.0 THRESHOLDS OF SIGNIFICANCE

Any project with the potential to expose sensitive receptors to substantial levels of TACs would be deemed to have a potentially significant impact. A health risk is the probability that exposure to a TAC under a given set of conditions will result in an adverse health effect. The health risk is affected by several factors, such as the amount, toxicity, and concentration of the contaminant; meteorological conditions; distance from the emission sources to people; the distance between emission sources; the age, health, and lifestyle of the people living or working at a location; and the length of exposure to the toxic air contaminant.

The term “risk” usually refers to the chance of contracting cancer as a result of an exposure, and it is expressed as a probability: chances-in-a-million. The values expressed for cancer risk do not predict actual cases that will result from exposure to toxic air contaminants. Rather, they state a probability of contracting cancer over and above the background level and over a given exposure to toxic air contaminants. Since this analysis is limited to analyzing the health risks of the proposed residents and is not a part of CEQA, there are no specific thresholds of significance that directly apply to the proposed project.

In order to provide a conservative analysis, the SCAQMD CEQA level thresholds for TAC emission created by a project have been utilized to analyze the TAC impacts from existing sources to the proposed residential uses. According to the SCAQMD CEQA Handbook, any project that has the potential to expose the public to toxic air contaminants in excess of the following thresholds would be considered to have a significant air quality impact:

- If the Maximum Incremental Cancer Risk is 10 in one million or greater; or
- Toxic air contaminants from the proposed project would result in a Hazard Index increase of 1 or greater.

In order to determine if the proposed project may have a significant impact related to toxic air contaminants (TAC), the *Health Risk Assessment Guidance for analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*, (Diesel Analysis) prepared by SCAQMD, August 2003, recommends that if the proposed project is anticipated to create TACs through stationary sources or regular operations of diesel trucks on the project site, then the proximity of the nearest receptors to the source of the TACs and the toxicity of the TACs should be analyzed through a comprehensive facility-wide health risk assessment (HRA).

6.0 PROJECT IMPACTS

Health risks from TACs are twofold. First, TACs are carcinogens according to the State of California. Second, short-term acute and long-term chronic exposure to TACs can cause health effects to the respiratory system. Each of these health risks is discussed below.

6.1 Cancer Risks

According to the OEHHA Guidance (OEHHA, 2015) and *Risk Assessment Procedures for Rules 1401, 1401.1 and 212*, (SCAQMD, 2017), the cancer risk should be calculated using the following formula:

Cancer Risk = [Dose-inh (mg/(Kg-day))] * [Cancer Potency Factor (kg-day)/mg]*[1x10⁶] * Age Sensitivity Factor * Fraction of Time at Home

$$\text{Dose-inh} = (C_{\text{air}} * \text{DBR} * A * \text{EF} * \text{ED} * 10^6) / \text{AT}$$

Where:

C_{air} [Concentration in air (µg/m³)] = (Calculated by AERMOD Model)

DBR [Daily breathing rate (L/kg body weight – day)]

A [Inhalation absorption factor]

EF [Exposure frequency (days/year)]

ED [Exposure duration (years)]

10⁶ [Micrograms to milligrams conversion]

AT [Average time period over which exposure is averaged in days]

The cancer risk parameters used in this evaluation for the nearby residential uses are shown in Table F.

Table F – Cancer Risk Calculation Parameters

Parameter	Age of Residents at Proposed Homes		
	(3 rd Tri to 2 years)	(2 to 16 years)	(16 to 30 years)
DPM Cancer Potency Factor (mg/kg-day)	1.1	1.1	1.1
Daily Breathing Rate (L/kg body weight-day)	1,009 ⁽¹⁾	572	261
Inhalation Absorption Factor	1	1	1
Exposure Frequency (days/year)	350	350	350
Exposure Duration (years)	2.25	14	13.75
Age Sensitivity Factor	10	3	1
Fraction of Time at Home	1.0	1.0	0.73
Averaging Time ² (days)	25,550	25,550	25,550
Potential Cancer Risk =	C _{air} * 342	C _{air} * 362	C _{air} * 39.5

¹ Based on 95th percentile breathing rate of 361 for 3rd trimester for 3 months and 1,090 for 0 to 2 years for 24 months (OEHHA, 2015; SCAQMD, 2017).

² Based on a 70-year average lifetime (OEHHA, 2015; SCAQMD, 2017)

The 2022 Title 24 Part 6 standards, require all homes to include positive static pressure forced air HVAC systems that are equipped with a high efficiency MERV 13 filter in the air intake for the HVAC system. According to *Status of Research on Potential Mitigation Concepts to Reduce Exposure to Nearby Traffic*

Pollution, prepared by CARB, August 23, 2012, research has shown that homes with positive static pressure HVAC systems with MERV 13 air filters result in an 80 percent reduction in particulates when compared to outdoor levels of particulates. Table G provides a summary of the calculated diesel emission concentrations at the nearest sensitive receptors as well as the calculated cancer risk at the exterior of the proposed homes and at the interior of the proposed homes. The AERMOD printouts are provided in Appendices B, C, and D.

Table G – TAC Cancer Risks at Nearby Sensitive Receptors

Sensitive Receptor ¹	Receptor Location		Annual PM2.5 Concentration (µg/m ³)			Cancer Risk Per Million People ²	
	X	Y	2027-2029	2030-2044	2045-2057	Exterior	Interior ³
1	422,374	3,734,247	0.0428	0.0407	0.0387	30.9	6.2
2	422,447	3,734,248	0.0417	0.0397	0.0377	30.1	6.0
3	422,447	3,734,132	0.0291	0.0279	0.0262	21.1	4.2
4	422,426	3,734,042	0.0434	0.0416	0.0390	31.5	6.3
5	422,372	3,734,042	0.0513	0.0492	0.0461	37.2	7.4
6	422,372	3,734,144	0.0329	0.0315	0.0296	23.8	4.8
Threshold of Significance						10	
Exceed Threshold?						No	

Notes:

¹ The locations of each Sensitive Receptor is shown above in Figure 4.

² The residential cancer risk based on: $C_{air} (2027-2029) * 342 + C_{air} (2030-2044) * 362 + C_{air} (2045-2057) * 39.5$.

³ The interior cancer risk was calculated by reducing the exterior cancer risk by 80 percent in order to account for the 2022 Title 24 Part 6 requirements that require the installation of positive static pressure HVAC systems with MERV 13 filters.

Source: Calculated from ISC-AERMOD View Version 12.0.0.

Table G shows that the cancer risk at the interior of the proposed homes would be as high as 7.4 per million persons. The calculated cancer risk from TAC emissions at the interior of the proposed homes would be within the SCAQMD thresholds with implementation of Title 24 Part 6 requirements that require each home to install positive static pressure HVAC systems with MERV 13 air filters.

6.2 Non-Cancer Risks

In addition to the cancer risk from exposure to TAC emissions there is also the potential TAC exposure may result in adverse health impacts from acute and chronic illnesses, which are detailed below. According to the OEHHHA, no acute risk had been found to be created from DPM, so there is no acute AREL assigned to DPM and no further analysis is provided as no acute impact would be created from the DPM emissions created by the proposed project.

Chronic Health Impacts

Chronic health effects are characterized by prolonged or repeated exposure to a TAC over many days, months, or years. Symptoms from chronic health impacts may not be immediately apparent and are often irreversible. The chronic hazard index is based on the most impacted sensitive receptor from the proposed project and is calculated from the annual average concentrations of PM2.5. The relationship for non-cancer chronic health effects is given by the equation:

$$HI_{DPM} = C_{DPM} / REL_{DPM}$$

Where,

HI_{DPM} = Hazard Index; an expression of the potential for non-cancer health effects.

C_{DPM} = Annual average diesel particulate matter concentration in $\mu\text{g}/\text{m}^3$.

REL_{DPM} = Reference Exposure Level (REL) for diesel particulate matter; the diesel particulate matter concentration at which no adverse health effects are anticipated.

The REL_{DPM} is $5 \mu\text{g}/\text{m}^3$. The Office of Environmental Health Hazard Assessment as protective for the respiratory system has established this concentration. As shown above in Table G, the AERMOD model found that the highest annual DPM concentration of $0.0513 \mu\text{g}/\text{m}^3$ for DPM chronic non-cancer risk emissions. The resulting Hazard Index is:

$$HI_{DPM} = 0.0513 / 5 = 0.01026$$

The criterion for significance is a Chronic Hazard Index increase of 1.0 or greater, which is detailed above in Section 5.0. Therefore, the non-cancer chronic health risks to residents at the proposed homes would be within the SCAQMD standards.

7.0 REFERENCES

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California Department of Transportation (Caltrans), *2022 Annual Average Daily Truck Traffic on the California State Highway System*, 2024.

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South Coast Air Quality Management District, *MATES V Multiple Air Toxics Exposure Study in the South Coast AQMD Final Report*, August 2021.

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APPENDIX A

EMFAC2021 Model Printouts

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: Sub-Area

Region: Orange (SC)

Calendar Year: 2027

Season: Annual

Vehicle Classification: EMFAC202x Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar	Vehicle Cal	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Fuel Consumption
Orange (SC)	2027	All Other B	Aggregate	Aggregate	Diesel	372	19841	19841	0	3308	2
Orange (SC)	2027	All Other B	Aggregate	Aggregate	Natural Gas	96	5573	5573	0	856	1
Orange (SC)	2027	LDA	Aggregate	Aggregate	Gasoline	1043776	41402174	41402174	0	4872252	1296
Orange (SC)	2027	LDA	Aggregate	Aggregate	Diesel	2456	72324	72324	0	10338	2
Orange (SC)	2027	LDA	Aggregate	Aggregate	Electricity	86904	4089427	0	4089427	427431	0
Orange (SC)	2027	LDA	Aggregate	Aggregate	Plug-in Hybrid	37476	1693689	781021	912668	154965	27
Orange (SC)	2027	LDT1	Aggregate	Aggregate	Gasoline	93827	3351769	3351769	0	416522	126
Orange (SC)	2027	LDT1	Aggregate	Aggregate	Diesel	12	181	181	0	33	0
Orange (SC)	2027	LDT1	Aggregate	Aggregate	Electricity	447	21261	0	21261	2195	0
Orange (SC)	2027	LDT1	Aggregate	Aggregate	Plug-in Hybrid	346	17553	7381	10172	1429	0
Orange (SC)	2027	LDT2	Aggregate	Aggregate	Gasoline	543469	22020145	22020145	0	2549564	842
Orange (SC)	2027	LDT2	Aggregate	Aggregate	Diesel	2178	88904	88904	0	10310	3
Orange (SC)	2027	LDT2	Aggregate	Aggregate	Electricity	6350	224425	0	224425	32062	0
Orange (SC)	2027	LDT2	Aggregate	Aggregate	Plug-in Hybrid	6479	311544	136511	175033	26792	5
Orange (SC)	2027	LHD1	Aggregate	Aggregate	Gasoline	40903	1647637	1647637	0	609392	111
Orange (SC)	2027	LHD1	Aggregate	Aggregate	Diesel	23584	995052	995052	0	296659	47
Orange (SC)	2027	LHD1	Aggregate	Aggregate	Electricity	1389	91019	0	91019	19418	0
Orange (SC)	2027	LHD2	Aggregate	Aggregate	Gasoline	6543	244223	244223	0	97482	19
Orange (SC)	2027	LHD2	Aggregate	Aggregate	Diesel	10371	433595	433595	0	130457	24
Orange (SC)	2027	LHD2	Aggregate	Aggregate	Electricity	361	22491	0	22491	4786	0
Orange (SC)	2027	MCY	Aggregate	Aggregate	Gasoline	52507	334154	334154	0	105015	8
Orange (SC)	2027	MDV	Aggregate	Aggregate	Gasoline	328296	12751503	12751503	0	1522194	601
Orange (SC)	2027	MDV	Aggregate	Aggregate	Diesel	4529	174319	174319	0	20992	7
Orange (SC)	2027	MDV	Aggregate	Aggregate	Electricity	6725	237228	0	237228	33935	0
Orange (SC)	2027	MDV	Aggregate	Aggregate	Plug-in Hybrid	4139	186464	82840	103624	17114	3
Orange (SC)	2027	MH	Aggregate	Aggregate	Gasoline	5495	54533	54533	0	550	11

Orange (SC)	2027 MH	Aggregate	Aggregate	Diesel	3015	29338	29338	0	302	3
Orange (SC)	2027 Motor Coa	Aggregate	Aggregate	Diesel	136	16999	16999	0	3125	3
Orange (SC)	2027 OBUS	Aggregate	Aggregate	Gasoline	800	32636	32636	0	15998	6
Orange (SC)	2027 OBUS	Aggregate	Aggregate	Electricity	16	1154	0	1154	313	0
Orange (SC)	2027 PTO	Aggregate	Aggregate	Diesel	0	44891	44891	0	0	9
Orange (SC)	2027 PTO	Aggregate	Aggregate	Electricity	0	1482	0	1482	0	0
Orange (SC)	2027 SBUS	Aggregate	Aggregate	Gasoline	696	31450	31450	0	2784	3
Orange (SC)	2027 SBUS	Aggregate	Aggregate	Diesel	723	14694	14694	0	10472	2
Orange (SC)	2027 SBUS	Aggregate	Aggregate	Electricity	31	956	0	956	374	0
Orange (SC)	2027 SBUS	Aggregate	Aggregate	Natural Gas	836	20460	20460	0	12108	5
Orange (SC)	2027 T6 CAIRP C	Aggregate	Aggregate	Diesel	9	595	595	0	211	0
Orange (SC)	2027 T6 CAIRP C	Aggregate	Aggregate	Electricity	0	25	0	25	7	0
Orange (SC)	2027 T6 CAIRP C	Aggregate	Aggregate	Diesel	12	820	820	0	276	0
Orange (SC)	2027 T6 CAIRP C	Aggregate	Aggregate	Electricity	0	32	0	32	9	0
Orange (SC)	2027 T6 CAIRP C	Aggregate	Aggregate	Diesel	43	2114	2114	0	984	0
Orange (SC)	2027 T6 CAIRP C	Aggregate	Aggregate	Electricity	2	111	0	111	46	0
Orange (SC)	2027 T6 CAIRP C	Aggregate	Aggregate	Diesel	69	13553	13553	0	1581	1
Orange (SC)	2027 T6 CAIRP C	Aggregate	Aggregate	Electricity	2	395	0	395	43	0
Orange (SC)	2027 T6 CAIRP C	Aggregate	Aggregate	Natural Gas	0	11	11	0	1	0
Orange (SC)	2027 T6 Instate I	Aggregate	Aggregate	Diesel	2602	86341	86341	0	37126	10
Orange (SC)	2027 T6 Instate I	Aggregate	Aggregate	Electricity	58	2257	0	2257	822	0
Orange (SC)	2027 T6 Instate I	Aggregate	Aggregate	Natural Gas	10	358	358	0	146	0
Orange (SC)	2027 T6 Instate I	Aggregate	Aggregate	Diesel	2109	70403	70403	0	30096	8
Orange (SC)	2027 T6 Instate I	Aggregate	Aggregate	Electricity	46	1824	0	1824	661	0
Orange (SC)	2027 T6 Instate I	Aggregate	Aggregate	Natural Gas	7	262	262	0	105	0
Orange (SC)	2027 T6 Instate I	Aggregate	Aggregate	Diesel	6566	217971	217971	0	93701	25
Orange (SC)	2027 T6 Instate I	Aggregate	Aggregate	Electricity	141	5462	0	5462	2014	0
Orange (SC)	2027 T6 Instate I	Aggregate	Aggregate	Natural Gas	22	784	784	0	316	0
Orange (SC)	2027 T6 Instate I	Aggregate	Aggregate	Diesel	877	46405	46405	0	12520	5
Orange (SC)	2027 T6 Instate I	Aggregate	Aggregate	Electricity	7	364	0	364	106	0
Orange (SC)	2027 T6 Instate I	Aggregate	Aggregate	Natural Gas	25	1344	1344	0	359	0
Orange (SC)	2027 T6 Instate I	Aggregate	Aggregate	Diesel	2219	91130	91130	0	25648	10
Orange (SC)	2027 T6 Instate I	Aggregate	Aggregate	Electricity	57	2651	0	2651	660	0
Orange (SC)	2027 T6 Instate I	Aggregate	Aggregate	Natural Gas	8	335	335	0	90	0
Orange (SC)	2027 T6 Instate I	Aggregate	Aggregate	Diesel	5279	221287	221287	0	61028	25

Orange (SC)	2027 T6 Instate (Aggregate	Aggregate	Electricity	124	5787	0	5787	1428	0
Orange (SC)	2027 T6 Instate (Aggregate	Aggregate	Natural Gas	17	762	762	0	201	0
Orange (SC)	2027 T6 Instate (Aggregate	Aggregate	Diesel	4328	180205	180205	0	50031	20
Orange (SC)	2027 T6 Instate (Aggregate	Aggregate	Electricity	106	4915	0	4915	1228	0
Orange (SC)	2027 T6 Instate (Aggregate	Aggregate	Natural Gas	15	651	651	0	174	0
Orange (SC)	2027 T6 Instate (Aggregate	Aggregate	Diesel	2309	100614	100614	0	26690	11
Orange (SC)	2027 T6 Instate (Aggregate	Aggregate	Electricity	36	2425	0	2425	418	0
Orange (SC)	2027 T6 Instate (Aggregate	Aggregate	Natural Gas	59	2594	2594	0	687	0
Orange (SC)	2027 T6 Instate ~ Aggregate	Aggregate	Diesel	33	1639	1639	0	382	0
Orange (SC)	2027 T6 Instate ~ Aggregate	Aggregate	Electricity	1	50	0	50	9	0
Orange (SC)	2027 T6 Instate ~ Aggregate	Aggregate	Natural Gas	0	6	6	0	1	0
Orange (SC)	2027 T6 Instate ~ Aggregate	Aggregate	Diesel	1411	82052	82052	0	16307	8
Orange (SC)	2027 T6 Instate ~ Aggregate	Aggregate	Electricity	15	1224	0	1224	176	0
Orange (SC)	2027 T6 Instate ~ Aggregate	Aggregate	Natural Gas	34	1962	1962	0	389	0
Orange (SC)	2027 T6 OOS Cla Aggregate	Aggregate	Diesel	6	361	361	0	128	0
Orange (SC)	2027 T6 OOS Cla Aggregate	Aggregate	Diesel	7	495	495	0	167	0
Orange (SC)	2027 T6 OOS Cla Aggregate	Aggregate	Diesel	26	1293	1293	0	602	0
Orange (SC)	2027 T6 OOS Cla Aggregate	Aggregate	Diesel	38	9399	9399	0	864	1
Orange (SC)	2027 T6 Public C Aggregate	Aggregate	Diesel	125	4421	4421	0	643	1
Orange (SC)	2027 T6 Public C Aggregate	Aggregate	Electricity	3	141	0	141	17	0
Orange (SC)	2027 T6 Public C Aggregate	Aggregate	Natural Gas	18	706	706	0	91	0
Orange (SC)	2027 T6 Public C Aggregate	Aggregate	Diesel	114	4077	4077	0	582	0
Orange (SC)	2027 T6 Public C Aggregate	Aggregate	Electricity	3	128	0	128	15	0
Orange (SC)	2027 T6 Public C Aggregate	Aggregate	Natural Gas	23	903	903	0	119	0
Orange (SC)	2027 T6 Public C Aggregate	Aggregate	Diesel	186	6644	6644	0	953	1
Orange (SC)	2027 T6 Public C Aggregate	Aggregate	Electricity	5	219	0	219	27	0
Orange (SC)	2027 T6 Public C Aggregate	Aggregate	Natural Gas	28	1095	1095	0	142	0
Orange (SC)	2027 T6 Public C Aggregate	Aggregate	Diesel	329	14853	14853	0	1689	2
Orange (SC)	2027 T6 Public C Aggregate	Aggregate	Electricity	9	573	0	573	47	0
Orange (SC)	2027 T6 Public C Aggregate	Aggregate	Natural Gas	40	2033	2033	0	203	0
Orange (SC)	2027 T6 Utility C Aggregate	Aggregate	Diesel	105	4220	4220	0	1343	0
Orange (SC)	2027 T6 Utility C Aggregate	Aggregate	Electricity	5	212	0	212	63	0
Orange (SC)	2027 T6 Utility C Aggregate	Aggregate	Natural Gas	1	24	24	0	8	0
Orange (SC)	2027 T6 Utility C Aggregate	Aggregate	Diesel	20	795	795	0	254	0
Orange (SC)	2027 T6 Utility C Aggregate	Aggregate	Electricity	1	40	0	40	12	0

Orange (SC)	2027 T6 Utility C Aggregate	Aggregate	Natural Gas	0	7	7	0	2	0
Orange (SC)	2027 T6 Utility C Aggregate	Aggregate	Diesel	22	1098	1098	0	284	0
Orange (SC)	2027 T6 Utility C Aggregate	Aggregate	Electricity	1	63	0	63	14	0
Orange (SC)	2027 T6 Utility C Aggregate	Aggregate	Natural Gas	0	10	10	0	3	0
Orange (SC)	2027 T6TS Aggregate	Aggregate	Gasoline	6899	343883	343883	0	138045	65
Orange (SC)	2027 T6TS Aggregate	Aggregate	Electricity	81	6598	0	6598	1630	0
Orange (SC)	2027 T7 CAIRP C Aggregate	Aggregate	Diesel	1123	227293	227293	0	25813	35
Orange (SC)	2027 T7 CAIRP C Aggregate	Aggregate	Electricity	37	7551	0	7551	846	0
Orange (SC)	2027 T7 CAIRP C Aggregate	Aggregate	Natural Gas	4	884	884	0	101	0
Orange (SC)	2027 T7 NNOOS Aggregate	Aggregate	Diesel	1028	279352	279352	0	23628	41
Orange (SC)	2027 T7 NOOS C Aggregate	Aggregate	Diesel	441	101433	101433	0	10142	15
Orange (SC)	2027 T7 POLA CI Aggregate	Aggregate	Diesel	1565	203236	203236	0	25607	34
Orange (SC)	2027 T7 POLA CI Aggregate	Aggregate	Electricity	10	1191	0	1191	168	0
Orange (SC)	2027 T7 POLA CI Aggregate	Aggregate	Natural Gas	20	2534	2534	0	322	0
Orange (SC)	2027 T7 Public C Aggregate	Aggregate	Diesel	720	29103	29103	0	3696	5
Orange (SC)	2027 T7 Public C Aggregate	Aggregate	Electricity	19	1211	0	1211	100	0
Orange (SC)	2027 T7 Public C Aggregate	Aggregate	Natural Gas	298	14646	14646	0	1531	2
Orange (SC)	2027 T7 Single C Aggregate	Aggregate	Diesel	282	19195	19195	0	2656	3
Orange (SC)	2027 T7 Single C Aggregate	Aggregate	Electricity	13	1087	0	1087	127	0
Orange (SC)	2027 T7 Single C Aggregate	Aggregate	Natural Gas	19	1342	1342	0	179	0
Orange (SC)	2027 T7 Single D Aggregate	Aggregate	Diesel	1072	59443	59443	0	10102	10
Orange (SC)	2027 T7 Single D Aggregate	Aggregate	Electricity	23	1881	0	1881	219	0
Orange (SC)	2027 T7 Single D Aggregate	Aggregate	Natural Gas	81	4784	4784	0	762	1
Orange (SC)	2027 T7 Single O Aggregate	Aggregate	Diesel	2567	130693	130693	0	24179	21
Orange (SC)	2027 T7 Single O Aggregate	Aggregate	Electricity	68	4498	0	4498	636	0
Orange (SC)	2027 T7 Single O Aggregate	Aggregate	Natural Gas	201	10620	10620	0	1890	2
Orange (SC)	2027 T7 SWCV C Aggregate	Aggregate	Diesel	201	13063	13063	0	925	5
Orange (SC)	2027 T7 SWCV C Aggregate	Aggregate	Electricity	20	1222	0	1222	90	0
Orange (SC)	2027 T7 SWCV C Aggregate	Aggregate	Natural Gas	784	50763	50763	0	3607	8
Orange (SC)	2027 T7 Tractor Aggregate	Aggregate	Diesel	2828	197959	197959	0	41093	31
Orange (SC)	2027 T7 Tractor Aggregate	Aggregate	Electricity	42	3390	0	3390	611	0
Orange (SC)	2027 T7 Tractor Aggregate	Aggregate	Natural Gas	93	6521	6521	0	1344	1
Orange (SC)	2027 T7 Utility C Aggregate	Aggregate	Diesel	80	3434	3434	0	1024	1
Orange (SC)	2027 T7 Utility C Aggregate	Aggregate	Electricity	1	84	0	84	17	0
Orange (SC)	2027 T7IS Aggregate	Aggregate	Gasoline	5	548	548	0	108	0

Orange (SC)	2027 T7IS	Aggregate	Aggregate	Electricity	0	18	0	18	1	0
Orange (SC)	2027 UBUS	Aggregate	Aggregate	Gasoline	257	42461	42461	0	1030	3
Orange (SC)	2027 UBUS	Aggregate	Aggregate	Electricity	4	80	0	80	16	0
Orange (SC)	2027 UBUS	Aggregate	Aggregate	Natural Gas	580	111470	111470	0	2320	37

Total VMT

Diesel VMT

Percent Diesel

Non-Truck	87,358,711	461,491	0.53%
Truck 1	3,434,017	1,428,647	41.60%
Truck 2	2,934,990	2,426,987	82.69%

EMFAC2021 version 1.0.2

calendar_year	season	sub_area	vehicle_class	fuel	temperature	relative_humidity	process	speed	time	pollutant	emission_rate
2050	Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	40	PM2_5		0.003419
2050	Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	55	PM2_5		0.003812
2050	Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	40	PM2_5		0.012117
2050	Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	55	PM2_5		0.009049
2050	Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	40	PM2_5		0.005587
2050	Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	55	PM2_5		0.013885
2049	Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	40	PM2_5		0.003583
2049	Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	55	PM2_5		0.004035
2049	Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	40	PM2_5		0.012326
2049	Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	55	PM2_5		0.009202
2049	Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	40	PM2_5		0.005573
2049	Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	55	PM2_5		0.013834
2048	Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	40	PM2_5		0.003723
2048	Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	55	PM2_5		0.004233
2048	Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	40	PM2_5		0.012511
2048	Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	55	PM2_5		0.009338
2048	Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	40	PM2_5		0.005558
2048	Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	55	PM2_5		0.013779
2047	Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	40	PM2_5		0.003897
2047	Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	55	PM2_5		0.004478
2047	Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	40	PM2_5		0.012623
2047	Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	55	PM2_5		0.009429
2047	Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	40	PM2_5		0.005542
2047	Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	55	PM2_5		0.013722
2046	Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	40	PM2_5		0.004079
2046	Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	55	PM2_5		0.004717
2046	Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	40	PM2_5		0.012735
2046	Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	55	PM2_5		0.009521
2046	Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	40	PM2_5		0.005525
2046	Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	55	PM2_5		0.01366
2045	Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	40	PM2_5		0.004303
2045	Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	55	PM2_5		0.005009
2045	Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	40	PM2_5		0.012862
2045	Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	55	PM2_5		0.009622
2045	Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	40	PM2_5		0.005509
2045	Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	55	PM2_5		0.013595
2044	Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	40	PM2_5		0.004517
2044	Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	55	PM2_5		0.005294
2044	Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	40	PM2_5		0.012977
2044	Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	55	PM2_5		0.009715
2044	Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	40	PM2_5		0.005493
2044	Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	55	PM2_5		0.01353
2043	Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	40	PM2_5		0.004752
2043	Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	55	PM2_5		0.005603
2043	Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	40	PM2_5		0.013104

calendar_season_n	sub_area	vehicle_class	fuel	temperature	relative_humidity	process	speed_time	pollutant	emission_rate
2043	Annual	Orange (SC) Truck1	Dsl	52	50	RUNEX	55	PM2_5	0.009817
2043	Annual	Orange (SC) Truck2	Dsl	52	50	RUNEX	40	PM2_5	0.005482
2043	Annual	Orange (SC) Truck2	Dsl	52	50	RUNEX	55	PM2_5	0.01347
2042	Annual	Orange (SC) NonTruck	Dsl	52	50	RUNEX	40	PM2_5	0.005007
2042	Annual	Orange (SC) NonTruck	Dsl	52	50	RUNEX	55	PM2_5	0.005935
2042	Annual	Orange (SC) Truck1	Dsl	52	50	RUNEX	40	PM2_5	0.013204
2042	Annual	Orange (SC) Truck1	Dsl	52	50	RUNEX	55	PM2_5	0.009895
2042	Annual	Orange (SC) Truck2	Dsl	52	50	RUNEX	40	PM2_5	0.005473
2042	Annual	Orange (SC) Truck2	Dsl	52	50	RUNEX	55	PM2_5	0.013413
2041	Annual	Orange (SC) NonTruck	Dsl	52	50	RUNEX	40	PM2_5	0.005308
2041	Annual	Orange (SC) NonTruck	Dsl	52	50	RUNEX	55	PM2_5	0.006314
2041	Annual	Orange (SC) Truck1	Dsl	52	50	RUNEX	40	PM2_5	0.013322
2041	Annual	Orange (SC) Truck1	Dsl	52	50	RUNEX	55	PM2_5	0.009989
2041	Annual	Orange (SC) Truck2	Dsl	52	50	RUNEX	40	PM2_5	0.005471
2041	Annual	Orange (SC) Truck2	Dsl	52	50	RUNEX	55	PM2_5	0.013363
2040	Annual	Orange (SC) NonTruck	Dsl	52	50	RUNEX	40	PM2_5	0.005587
2040	Annual	Orange (SC) NonTruck	Dsl	52	50	RUNEX	55	PM2_5	0.006666
2040	Annual	Orange (SC) Truck1	Dsl	52	50	RUNEX	40	PM2_5	0.013426
2040	Annual	Orange (SC) Truck1	Dsl	52	50	RUNEX	55	PM2_5	0.010074
2040	Annual	Orange (SC) Truck2	Dsl	52	50	RUNEX	40	PM2_5	0.005469
2040	Annual	Orange (SC) Truck2	Dsl	52	50	RUNEX	55	PM2_5	0.013313
2039	Annual	Orange (SC) NonTruck	Dsl	52	50	RUNEX	40	PM2_5	0.00589
2039	Annual	Orange (SC) NonTruck	Dsl	52	50	RUNEX	55	PM2_5	0.00704
2039	Annual	Orange (SC) Truck1	Dsl	52	50	RUNEX	40	PM2_5	0.013558
2039	Annual	Orange (SC) Truck1	Dsl	52	50	RUNEX	55	PM2_5	0.010178
2039	Annual	Orange (SC) Truck2	Dsl	52	50	RUNEX	40	PM2_5	0.005474
2039	Annual	Orange (SC) Truck2	Dsl	52	50	RUNEX	55	PM2_5	0.013268
2038	Annual	Orange (SC) NonTruck	Dsl	52	50	RUNEX	40	PM2_5	0.006201
2038	Annual	Orange (SC) NonTruck	Dsl	52	50	RUNEX	55	PM2_5	0.007421
2038	Annual	Orange (SC) Truck1	Dsl	52	50	RUNEX	40	PM2_5	0.013692
2038	Annual	Orange (SC) Truck1	Dsl	52	50	RUNEX	55	PM2_5	0.010285
2038	Annual	Orange (SC) Truck2	Dsl	52	50	RUNEX	40	PM2_5	0.005483
2038	Annual	Orange (SC) Truck2	Dsl	52	50	RUNEX	55	PM2_5	0.013227
2037	Annual	Orange (SC) NonTruck	Dsl	52	50	RUNEX	40	PM2_5	0.006531
2037	Annual	Orange (SC) NonTruck	Dsl	52	50	RUNEX	55	PM2_5	0.007822
2037	Annual	Orange (SC) Truck1	Dsl	52	50	RUNEX	40	PM2_5	0.013821
2037	Annual	Orange (SC) Truck1	Dsl	52	50	RUNEX	55	PM2_5	0.010387
2037	Annual	Orange (SC) Truck2	Dsl	52	50	RUNEX	40	PM2_5	0.005502
2037	Annual	Orange (SC) Truck2	Dsl	52	50	RUNEX	55	PM2_5	0.013194
2036	Annual	Orange (SC) NonTruck	Dsl	52	50	RUNEX	40	PM2_5	0.006899
2036	Annual	Orange (SC) NonTruck	Dsl	52	50	RUNEX	55	PM2_5	0.008262
2036	Annual	Orange (SC) Truck1	Dsl	52	50	RUNEX	40	PM2_5	0.013932
2036	Annual	Orange (SC) Truck1	Dsl	52	50	RUNEX	55	PM2_5	0.010479
2036	Annual	Orange (SC) Truck2	Dsl	52	50	RUNEX	40	PM2_5	0.005533
2036	Annual	Orange (SC) Truck2	Dsl	52	50	RUNEX	55	PM2_5	0.013171
2035	Annual	Orange (SC) NonTruck	Dsl	52	50	RUNEX	40	PM2_5	0.007257

calendar_season_n	sub_area	vehicle_class	fuel	temperature	relative_humidity	process	speed_time	pollutant	emission_rate
2035 Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	55	PM2_5	0.008683
2035 Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	40	PM2_5	0.013991
2035 Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	55	PM2_5	0.010532
2035 Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	40	PM2_5	0.005577
2035 Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	55	PM2_5	0.013159
2034 Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	40	PM2_5	0.007656
2034 Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	55	PM2_5	0.009129
2034 Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	40	PM2_5	0.01407
2034 Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	55	PM2_5	0.010616
2034 Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	40	PM2_5	0.005669
2034 Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	55	PM2_5	0.013168
2033 Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	40	PM2_5	0.00805
2033 Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	55	PM2_5	0.009559
2033 Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	40	PM2_5	0.014149
2033 Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	55	PM2_5	0.010702
2033 Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	40	PM2_5	0.005792
2033 Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	55	PM2_5	0.013208
2032 Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	40	PM2_5	0.008505
2032 Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	55	PM2_5	0.010028
2032 Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	40	PM2_5	0.014313
2032 Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	55	PM2_5	0.010849
2032 Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	40	PM2_5	0.005918
2032 Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	55	PM2_5	0.013253
2031 Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	40	PM2_5	0.008933
2031 Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	55	PM2_5	0.010472
2031 Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	40	PM2_5	0.014547
2031 Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	55	PM2_5	0.011046
2031 Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	40	PM2_5	0.006059
2031 Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	55	PM2_5	0.013312
2030 Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	40	PM2_5	0.009355
2030 Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	55	PM2_5	0.010905
2030 Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	40	PM2_5	0.014914
2030 Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	55	PM2_5	0.011344
2030 Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	40	PM2_5	0.006218
2030 Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	55	PM2_5	0.013387
2029 Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	40	PM2_5	0.009955
2029 Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	55	PM2_5	0.011505
2029 Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	40	PM2_5	0.015365
2029 Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	55	PM2_5	0.011708
2029 Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	40	PM2_5	0.00641
2029 Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	55	PM2_5	0.013509
2028 Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	40	PM2_5	0.010555
2028 Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	55	PM2_5	0.01211
2028 Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	40	PM2_5	0.01592
2028 Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	55	PM2_5	0.012155
2028 Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	40	PM2_5	0.00663

calendar_season_n	sub_area	vehicle_class	fuel	temperature	relative_humidity	process	speed_time	pollutant	emission_rate
2028 Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	55	PM2_5	0.01367
2027 Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	40	PM2_5	0.011303
2027 Annual	Orange (SC)	NonTruck	Dsl	52	50	RUNEX	55	PM2_5	0.012864
2027 Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	40	PM2_5	0.0166
2027 Annual	Orange (SC)	Truck1	Dsl	52	50	RUNEX	55	PM2_5	0.012705
2027 Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	40	PM2_5	0.006916
2027 Annual	Orange (SC)	Truck2	Dsl	52	50	RUNEX	55	PM2_5	0.013903

APPENDIX B

AERMOD Model Years 2027-2029 DPM Concentrations Printouts

**

**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 9/26/2024
** File: C:\Vista Env\2022\22007 Santa Ana\AERMOD\DPM27\DPM27.ADI
**

**
**

** AERMOD Control Pathway

**
**
C0 STARTING
TITLEONE 2020 First St Residential - 2027-2029
TITLETWO Diesel PM2.5 - First Trimester to 2 years old
MODELOPT DFAULT CONC
AVERTIME 24 ANNUAL
URBANOPT 3010232 Orange_Co
POLLUTID PM_2.5
RUNORNOT RUN
ERRORFIL DPM27.err

C0 FINISHED
**

** AERMOD Source Pathway

**
**
S0 STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = FIRSTST
** DESCRSRC First Street
** PREFIX
** Length of Side = 20.73
** Configuration = Adjacent
** Emission Rate = 0.00025
** Vertical Dimension = 1.83
** SZINIT = 0.85
** Nodes = 2
** 422054.185, 3734268.958, 33.91, 0.00, 9.64
** 422740.475, 3734269.982, 33.88, 0.00, 9.64
** -----

LOCATION	L0000193	VOLUME	422064.548	3734268.974	34.00
LOCATION	L0000194	VOLUME	422085.274	3734269.004	34.00
LOCATION	L0000195	VOLUME	422106.001	3734269.035	34.00
LOCATION	L0000196	VOLUME	422126.727	3734269.066	34.00
LOCATION	L0000197	VOLUME	422147.454	3734269.097	34.00
LOCATION	L0000198	VOLUME	422168.180	3734269.128	34.00
LOCATION	L0000199	VOLUME	422188.906	3734269.159	34.00
LOCATION	L0000200	VOLUME	422209.633	3734269.190	34.00
LOCATION	L0000201	VOLUME	422230.359	3734269.221	34.00
LOCATION	L0000202	VOLUME	422251.085	3734269.252	34.00

LOCATION	L0000203	VOLUME	422271.812	3734269.283	34.00
LOCATION	L0000204	VOLUME	422292.538	3734269.314	34.00
LOCATION	L0000205	VOLUME	422313.265	3734269.345	34.00
LOCATION	L0000206	VOLUME	422333.991	3734269.376	34.00
LOCATION	L0000207	VOLUME	422354.717	3734269.407	34.00
LOCATION	L0000208	VOLUME	422375.444	3734269.438	34.00
LOCATION	L0000209	VOLUME	422396.170	3734269.468	34.00
LOCATION	L0000210	VOLUME	422416.896	3734269.499	34.00
LOCATION	L0000211	VOLUME	422437.623	3734269.530	34.00
LOCATION	L0000212	VOLUME	422458.349	3734269.561	34.00
LOCATION	L0000213	VOLUME	422479.076	3734269.592	34.00
LOCATION	L0000214	VOLUME	422499.802	3734269.623	34.00
LOCATION	L0000215	VOLUME	422520.528	3734269.654	34.00
LOCATION	L0000216	VOLUME	422541.255	3734269.685	34.00
LOCATION	L0000217	VOLUME	422561.981	3734269.716	34.00
LOCATION	L0000218	VOLUME	422582.707	3734269.747	34.00
LOCATION	L0000219	VOLUME	422603.434	3734269.778	34.00
LOCATION	L0000220	VOLUME	422624.160	3734269.809	34.00
LOCATION	L0000221	VOLUME	422644.887	3734269.840	34.00
LOCATION	L0000222	VOLUME	422665.613	3734269.871	34.00
LOCATION	L0000223	VOLUME	422686.339	3734269.902	34.00
LOCATION	L0000224	VOLUME	422707.066	3734269.933	34.00
LOCATION	L0000225	VOLUME	422727.792	3734269.963	34.00

** End of LINE VOLUME Source ID = FIRSTST

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = I5

** DESCRSRC Interstate 5

** PREFIX

** Length of Side = 53.04

** Configuration = Adjacent

** Emission Rate = 0.00195

** Vertical Dimension = 1.83

** SZINIT = 0.85

** Nodes = 7

** 422048.039, 3734119.408, 33.00, 0.00, 24.67

** 422119.741, 3734036.439, 33.00, 0.00, 24.67

** 422187.346, 3733981.126, 32.90, 0.00, 24.67

** 422278.510, 3733922.740, 32.92, 0.00, 24.67

** 422414.743, 3733863.330, 32.29, 0.00, 24.67

** 422500.786, 3733829.527, 32.00, 0.00, 24.67

** 422598.096, 3733785.482, 32.00, 0.00, 24.67

** -----

LOCATION	L0000226	VOLUME	422065.378	3734099.345	33.00
LOCATION	L0000227	VOLUME	422100.056	3734059.218	33.00
LOCATION	L0000228	VOLUME	422137.487	3734021.919	33.00
LOCATION	L0000229	VOLUME	422178.534	3733988.335	33.00
LOCATION	L0000230	VOLUME	422222.419	3733958.663	33.00
LOCATION	L0000231	VOLUME	422267.080	3733930.060	33.00
LOCATION	L0000232	VOLUME	422314.682	3733906.965	32.84
LOCATION	L0000233	VOLUME	422363.296	3733885.766	32.62
LOCATION	L0000234	VOLUME	422411.910	3733864.566	32.39
LOCATION	L0000235	VOLUME	422461.228	3733845.068	32.19
LOCATION	L0000236	VOLUME	422510.383	3733825.183	32.00
LOCATION	L0000237	VOLUME	422558.699	3733803.314	32.00

** End of LINE VOLUME Source ID = I5

** Source Parameters **

** LINE VOLUME Source ID = FIRSTST

SRCPARAM	L0000193	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000194	0.000007576	0.00	9.64	0.85

SRCPARAM	L0000195	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000196	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000197	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000198	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000199	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000200	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000201	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000202	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000203	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000204	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000205	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000206	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000207	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000208	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000209	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000210	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000211	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000212	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000213	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000214	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000215	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000216	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000217	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000218	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000219	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000220	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000221	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000222	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000223	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000224	0.000007576	0.00	9.64	0.85
SRCPARAM	L0000225	0.000007576	0.00	9.64	0.85

** -----
 ** LINE VOLUME Source ID = I5

SRCPARAM	L0000226	0.0001625	0.00	24.67	0.85
SRCPARAM	L0000227	0.0001625	0.00	24.67	0.85
SRCPARAM	L0000228	0.0001625	0.00	24.67	0.85
SRCPARAM	L0000229	0.0001625	0.00	24.67	0.85
SRCPARAM	L0000230	0.0001625	0.00	24.67	0.85
SRCPARAM	L0000231	0.0001625	0.00	24.67	0.85
SRCPARAM	L0000232	0.0001625	0.00	24.67	0.85
SRCPARAM	L0000233	0.0001625	0.00	24.67	0.85
SRCPARAM	L0000234	0.0001625	0.00	24.67	0.85
SRCPARAM	L0000235	0.0001625	0.00	24.67	0.85
SRCPARAM	L0000236	0.0001625	0.00	24.67	0.85
SRCPARAM	L0000237	0.0001625	0.00	24.67	0.85

 ** -----
 URBANSRC ALL
 SRCGROUP ALL
 SO FINISHED
 **

 ** AERMOD Receptor Pathway

 **
 **
 RE STARTING
 INCLUDED DPM27.rou
 RE FINISHED
 **

```
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
  SURFFILE  ..\KSNA_V9_ADJU\KSNA_v9.SFC
  PROFFILE  ..\KSNA_V9_ADJU\KSNA_v9.PFL
  SURFDATA  93184 2012 John_Wayne_Airport
  UAIRDATA  3190 2012
  PROFBASE  17.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
  RECTABLE  ALLAVE 1ST
  RECTABLE  24 1ST
** Auto-Generated Plotfiles
  PLOTFILE  24 ALL 1ST DPM27.AD\24H1GALL.PLT 31
  PLOTFILE  ANNUAL ALL DPM27.AD\AN00GALL.PLT 32
  SUMMFILE  DPM27.sum
OU FINISHED
**
*****
** Project Parameters
*****
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS     m
** ZONE      11
** ZONEINX   0
**
```

* AERMOD (23132): 2020 First St Residential - 2027-2029

09/26/24

* AERMET (16216):

13:36:54

* MODELING OPTIONS USED: RegDFAULT CONC ELEV URBAN ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 5 YEARS FOR SOURCE GROUP: ALL
* FOR A TOTAL OF 6 RECEPTORS.

* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID
422374.00000	3734247.00000	0.04276	34.00	34.00	0.00	ANNUAL	ALL	00000005	
422447.00000	3734248.00000	0.04165	34.00	34.00	0.00	ANNUAL	ALL	00000005	
422447.00000	3734132.00000	0.02911	33.29	33.29	0.00	ANNUAL	ALL	00000005	
422426.00000	3734042.00000	0.04341	33.00	33.00	0.00	ANNUAL	ALL	00000005	
422372.00000	3734042.00000	0.05132	33.00	33.00	0.00	ANNUAL	ALL	00000005	
422372.00000	3734144.00000	0.03289	33.41	33.41	0.00	ANNUAL	ALL	00000005	

** CONCUNIT ug/m^3

** DEPUNIT g/m^2

APPENDIX C

AERMOD Model Years 2030-2044 DPM Concentrations Printouts

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 9/26/2024
** File: C:\Vista Env\2022\22007 Santa Ana\AERMOD\DPM30\DPM30.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE 2020 First St Residential - 2030-2044
  TITLETWO Diesel PM2.5 - 2 to 16 years old
  MODELOPT DFAULT CONC
  AVERTIME 24 ANNUAL
  URBANOPT 3010232 Orange_Co
  POLLUTID PM_2.5
  RUNORNOT RUN
  ERRORFIL DPM30.err
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = FIRSTST
** DESCRSRC First Street
** PREFIX
** Length of Side = 20.73
** Configuration = Adjacent
** Emission Rate = 0.000237
** Vertical Dimension = 1.83
** SZINIT = 0.85
** Nodes = 2
** 422054.185, 3734268.958, 33.91, 0.00, 9.64
** 422740.475, 3734269.982, 33.88, 0.00, 9.64
** -----
LOCATION L0000238    VOLUME  422064.548 3734268.974 34.00
LOCATION L0000239    VOLUME  422085.274 3734269.004 34.00
LOCATION L0000240    VOLUME  422106.001 3734269.035 34.00
LOCATION L0000241    VOLUME  422126.727 3734269.066 34.00
LOCATION L0000242    VOLUME  422147.454 3734269.097 34.00
LOCATION L0000243    VOLUME  422168.180 3734269.128 34.00
LOCATION L0000244    VOLUME  422188.906 3734269.159 34.00
LOCATION L0000245    VOLUME  422209.633 3734269.190 34.00
LOCATION L0000246    VOLUME  422230.359 3734269.221 34.00
LOCATION L0000247    VOLUME  422251.085 3734269.252 34.00

```


LOCATION	L0000248	VOLUME	422271.812	3734269.283	34.00
LOCATION	L0000249	VOLUME	422292.538	3734269.314	34.00
LOCATION	L0000250	VOLUME	422313.265	3734269.345	34.00
LOCATION	L0000251	VOLUME	422333.991	3734269.376	34.00
LOCATION	L0000252	VOLUME	422354.717	3734269.407	34.00
LOCATION	L0000253	VOLUME	422375.444	3734269.438	34.00
LOCATION	L0000254	VOLUME	422396.170	3734269.468	34.00
LOCATION	L0000255	VOLUME	422416.896	3734269.499	34.00
LOCATION	L0000256	VOLUME	422437.623	3734269.530	34.00
LOCATION	L0000257	VOLUME	422458.349	3734269.561	34.00
LOCATION	L0000258	VOLUME	422479.076	3734269.592	34.00
LOCATION	L0000259	VOLUME	422499.802	3734269.623	34.00
LOCATION	L0000260	VOLUME	422520.528	3734269.654	34.00
LOCATION	L0000261	VOLUME	422541.255	3734269.685	34.00
LOCATION	L0000262	VOLUME	422561.981	3734269.716	34.00
LOCATION	L0000263	VOLUME	422582.707	3734269.747	34.00
LOCATION	L0000264	VOLUME	422603.434	3734269.778	34.00
LOCATION	L0000265	VOLUME	422624.160	3734269.809	34.00
LOCATION	L0000266	VOLUME	422644.887	3734269.840	34.00
LOCATION	L0000267	VOLUME	422665.613	3734269.871	34.00
LOCATION	L0000268	VOLUME	422686.339	3734269.902	34.00
LOCATION	L0000269	VOLUME	422707.066	3734269.933	34.00
LOCATION	L0000270	VOLUME	422727.792	3734269.963	34.00

** End of LINE VOLUME Source ID = FIRSTST

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = I5

** DESCRSRC Interstate 5

** PREFIX

** Length of Side = 53.04

** Configuration = Adjacent

** Emission Rate = 0.00187

** Vertical Dimension = 1.83

** SZINIT = 0.85

** Nodes = 7

** 422048.039, 3734119.408, 33.00, 0.00, 24.67

** 422119.741, 3734036.439, 33.00, 0.00, 24.67

** 422187.346, 3733981.126, 32.90, 0.00, 24.67

** 422278.510, 3733922.740, 32.92, 0.00, 24.67

** 422414.743, 3733863.330, 32.29, 0.00, 24.67

** 422500.786, 3733829.527, 32.00, 0.00, 24.67

** 422598.096, 3733785.482, 32.00, 0.00, 24.67

** -----

LOCATION	L0000271	VOLUME	422065.378	3734099.345	33.00
LOCATION	L0000272	VOLUME	422100.056	3734059.218	33.00
LOCATION	L0000273	VOLUME	422137.487	3734021.919	33.00
LOCATION	L0000274	VOLUME	422178.534	3733988.335	33.00
LOCATION	L0000275	VOLUME	422222.419	3733958.663	33.00
LOCATION	L0000276	VOLUME	422267.080	3733930.060	33.00
LOCATION	L0000277	VOLUME	422314.682	3733906.965	32.84
LOCATION	L0000278	VOLUME	422363.296	3733885.766	32.62
LOCATION	L0000279	VOLUME	422411.910	3733864.566	32.39
LOCATION	L0000280	VOLUME	422461.228	3733845.068	32.19
LOCATION	L0000281	VOLUME	422510.383	3733825.183	32.00
LOCATION	L0000282	VOLUME	422558.699	3733803.314	32.00

** End of LINE VOLUME Source ID = I5

** Source Parameters **

** LINE VOLUME Source ID = FIRSTST

SRCPARAM	L0000238	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000239	0.000007182	0.00	9.64	0.85

SRCPARAM	L0000240	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000241	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000242	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000243	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000244	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000245	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000246	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000247	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000248	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000249	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000250	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000251	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000252	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000253	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000254	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000255	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000256	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000257	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000258	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000259	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000260	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000261	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000262	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000263	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000264	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000265	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000266	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000267	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000268	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000269	0.000007182	0.00	9.64	0.85
SRCPARAM	L0000270	0.000007182	0.00	9.64	0.85

**

** LINE VOLUME Source ID = I5

SRCPARAM	L0000271	0.0001558333	0.00	24.67	0.85
SRCPARAM	L0000272	0.0001558333	0.00	24.67	0.85
SRCPARAM	L0000273	0.0001558333	0.00	24.67	0.85
SRCPARAM	L0000274	0.0001558333	0.00	24.67	0.85
SRCPARAM	L0000275	0.0001558333	0.00	24.67	0.85
SRCPARAM	L0000276	0.0001558333	0.00	24.67	0.85
SRCPARAM	L0000277	0.0001558333	0.00	24.67	0.85
SRCPARAM	L0000278	0.0001558333	0.00	24.67	0.85
SRCPARAM	L0000279	0.0001558333	0.00	24.67	0.85
SRCPARAM	L0000280	0.0001558333	0.00	24.67	0.85
SRCPARAM	L0000281	0.0001558333	0.00	24.67	0.85
SRCPARAM	L0000282	0.0001558333	0.00	24.67	0.85

**

URBANSRC ALL
SRCGROUP ALL

S0 FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED DPM30.rou

RE FINISHED

**

```
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
  SURFFILE  ..\KSNA_V9_ADJU\KSNA_v9.SFC
  PROFFILE  ..\KSNA_V9_ADJU\KSNA_v9.PFL
  SURFDATA  93184 2012 John_Wayne_Airport
  UAIRDATA  3190 2012
  PROFBASE  17.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
  RECTABLE  ALLAVE 1ST
  RECTABLE  24 1ST
** Auto-Generated Plotfiles
  PLOTFILE  24 ALL 1ST DPM30.AD\24H1GALL.PLT 31
  PLOTFILE  ANNUAL ALL DPM30.AD\AN00GALL.PLT 32
  SUMMFILE  DPM30.sum
OU FINISHED
**
*****
** Project Parameters
*****
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS     m
** ZONE      11
** ZONEINX   0
**
```

* AERMOD (23132): 2020 First St Residential - 2030-2044

09/26/24

* AERMET (16216):

13:33:55

* MODELING OPTIONS USED: RegDFAULT CONC ELEV URBAN ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 5 YEARS FOR SOURCE GROUP: ALL
* FOR A TOTAL OF 6 RECEPTORS.

* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID
422374.00000	3734247.00000	0.04074	34.00	34.00	0.00	ANNUAL	ALL	00000005	
422447.00000	3734248.00000	0.03966	34.00	34.00	0.00	ANNUAL	ALL	00000005	
422447.00000	3734132.00000	0.02787	33.29	33.29	0.00	ANNUAL	ALL	00000005	
422426.00000	3734042.00000	0.04161	33.00	33.00	0.00	ANNUAL	ALL	00000005	
422372.00000	3734042.00000	0.04920	33.00	33.00	0.00	ANNUAL	ALL	00000005	
422372.00000	3734144.00000	0.03149	33.41	33.41	0.00	ANNUAL	ALL	00000005	

** CONCUNIT ug/m^3

** DEPUNIT g/m^2

APPENDIX D

AERMOD Model Years 2045-2057 DPM Concentrations Printouts

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 9/26/2024
** File: C:\Vista Env\2022\22007 Santa Ana\AERMOD\DPM45\DPM45.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE 2020 First St Residential - 2045-2057
  TITLETWO Diesel PM2.5 - 16 to 30 years old
  MODELOPT DFAULT CONC
  AVERTIME 24 ANNUAL
  URBANOPT 3010232 Orange_Co
  POLLUTID PM_2.5
  RUNORNOT RUN
  ERRORFIL DPM45.err
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = FIRSTST
** DESCRSRC First Street
** PREFIX
** Length of Side = 20.73
** Configuration = Adjacent
** Emission Rate = 0.000228
** Vertical Dimension = 1.83
** SZINIT = 0.85
** Nodes = 2
** 422054.185, 3734268.958, 33.91, 0.00, 9.64
** 422740.475, 3734269.982, 33.88, 0.00, 9.64
** -----
LOCATION L0000238    VOLUME  422064.548 3734268.974 34.00
LOCATION L0000239    VOLUME  422085.274 3734269.004 34.00
LOCATION L0000240    VOLUME  422106.001 3734269.035 34.00
LOCATION L0000241    VOLUME  422126.727 3734269.066 34.00
LOCATION L0000242    VOLUME  422147.454 3734269.097 34.00
LOCATION L0000243    VOLUME  422168.180 3734269.128 34.00
LOCATION L0000244    VOLUME  422188.906 3734269.159 34.00
LOCATION L0000245    VOLUME  422209.633 3734269.190 34.00
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LOCATION L0000247    VOLUME  422251.085 3734269.252 34.00

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = I5

** DESCRSRC Interstate 5

** PREFIX

** Length of Side = 53.04

** Configuration = Adjacent

** Emission Rate = 0.00175

** Vertical Dimension = 1.83

** SZINIT = 0.85

** Nodes = 7

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** Source Parameters **

** LINE VOLUME Source ID = FIRSTST

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**

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED DPM45.rou

RE FINISHED

**

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** AERMOD Meteorology Pathway
*****
**
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ME STARTING
  SURFFILE  ..\KSNA_V9_ADJU\KSNA_v9.SFC
  PROFFILE  ..\KSNA_V9_ADJU\KSNA_v9.PFL
  SURFDATA  93184 2012 John_Wayne_Airport
  UAIRDATA  3190 2012
  PROFBASE  17.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
  RECTABLE  ALLAVE 1ST
  RECTABLE  24 1ST
** Auto-Generated Plotfiles
  PLOTFILE  24 ALL 1ST DPM45.AD\24H1GALL.PLT 31
  PLOTFILE  ANNUAL ALL DPM45.AD\AN00GALL.PLT 32
  SUMMFILE  DPM45.sum
OU FINISHED
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** Project Parameters
*****
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS     m
** ZONE      11
** ZONEINX   0
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* AERMOD (23132): 2020 First St Residential - 2045-2057

09/26/24

* AERMET (16216):

13:39:42

* MODELING OPTIONS USED: RegDFAULT CONC ELEV URBAN ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 5 YEARS FOR SOURCE GROUP: ALL
* FOR A TOTAL OF 6 RECEPTORS.

* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID
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422447.00000	3734248.00000	0.03774	34.00	34.00	0.00	ANNUAL	ALL	00000005	
422447.00000	3734132.00000	0.02618	33.29	33.29	0.00	ANNUAL	ALL	00000005	
422426.00000	3734042.00000	0.03899	33.00	33.00	0.00	ANNUAL	ALL	00000005	
422372.00000	3734042.00000	0.04609	33.00	33.00	0.00	ANNUAL	ALL	00000005	
422372.00000	3734144.00000	0.02958	33.41	33.41	0.00	ANNUAL	ALL	00000005	

** CONCUNIT ug/m^3

** DEPUNIT g/m^2

ATTACHMENT C:

Cultural Resources Supporting Information

This attachment contains sensitive information relating to cultural resources and is not intended for public distribution pursuant to Public Resources Code Section 21082.3(C)(2). A copy of confidential Attachment C is on file with the City of Santa Rosa Ana and is available to qualified professionals upon request.

ATTACHMENT D:

Geology and Soils Supporting Information



February 23, 2024

Project No. 23050-01

To: Meritage Homes
5 Peters Canyon Road, Suite 310
Irvine, California 90026

Attention: Ms. Louisa Feletto

Subject: Geotechnical Due Diligence Study and Preliminary Geotechnical Recommendations, Proposed 86-Unit Residential Development, 2020 East First Street, Santa Ana, California

At your request, SA Geotechnical, Inc. (SA GEO) has conducted a geotechnical due diligence study for the proposed residential development at 2020 East First Street in the City of Santa Ana, California (Figure 1). The purpose of this study was to evaluate the geotechnical site conditions in light of the proposed grading and improvements in order to provide a geotechnical summary and preliminary geotechnical recommendations for project design, grading, and construction. Our evaluation included review of collected geologic and geotechnical engineering reports and maps pertinent to the subject site; city archive search; review of site-specific geotechnical reports provided by you; site reconnaissance; and preparation of this report.

The subject site is currently developed with a multi-story office building, adjacent at-grade asphalt paved parking lot and associated drive aisles, and hardscape/landscape improvements, all of which will be demolished as part of the proposed project. Based on our review, the primary geotechnical constraints include the presence of weathered/unsuitable near-surface alluvial soils, potentially wet and soft/compressible alluvium near surface, and seismic shaking during a strong seismic event. The subsurface soils at the site generally consist of interlayered silty sand, sandy/clayey silt, and sandy/silty clay (Salem, 2023; GeoTek, 2021). Onsite soils are anticipated to have a "Low" to "Medium" expansion potential at the completion of grading. Percolation testing performed during the prior studies indicates that stormwater infiltration is generally not feasible at shallow depth (5 to 10 feet) but is feasible at depth (48 to 50 feet deep).

This report presents our findings, conclusions, and preliminary design recommendations for the subject proposed residential development. Based on our review, the proposed grading and development is considered geotechnically feasible provided the recommendations in this report are implemented during design, grading, and construction. Additional subsurface exploration and laboratory testing may be necessary during the design phase of the project for determination/confirmation of the percolation rates, depending on the location and depth of the proposed system(s).

References pertinent to the site are included in Appendix A. Boring and laboratory test data from the prior site-specific geotechnical studies are included in Appendix B and C, respectively. Seismic design parameters are presented in Appendix D. Percolation test data collected during the prior studies are presented in Appendix E. General earthwork and grading specifications are presented in Appendix F.

If you have any questions regarding this report, please contact our office. We appreciate the opportunity to provide our services.

Respectfully submitted,

SA GEOTECHNICAL, INC.



Anthony Zepeda, CEG 2681
Project Geologist



Reza Saberi, GE 3071
Principal Engineer



Peter Anderson, CEG 2596
Principal Engineering Geologist

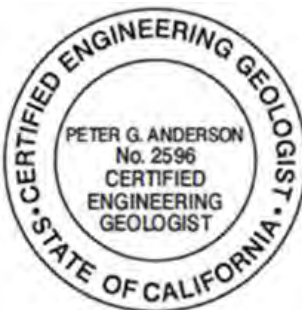


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Appendix A – References

Appendix B – Boring Logs

Appendix C – Laboratory Test Data

Appendix D – Seismicity Data

Appendix E – Percolation Test Data

Appendix F – General Earthwork and Grading Specifications

Plates

Plate 1 – Geotechnical Map – Rear of Text

EXECUTIVE SUMMARY

The subject site is underlain by native alluvium generally composed of interlayered silty/clayey sand, sandy silt, and sandy/silty clay. Groundwater was not encountered during the prior subsurface explorations to a maximum depth of 51.5 feet (Salem, 2023; GeoTek, 2021). Historic high groundwater is mapped as greater than 40 feet bgs (CDMG, 1998). Existing groundwater data available through the GeoTracker database indicates depth to groundwater is generally greater than 60 feet bgs in the vicinity of the site.

The primary geotechnical constraints at the site include the following:

- The presence of weathered/unsuitable alluvium which will need to be removed and replaced as compacted fill;
- Potentially wet and soft/compressible alluvium near surface; and
- Potential for strong seismic shaking during an earthquake event.

Remedial grading at the site should consist of the removal and recompaction of weathered/disturbed alluvium (and undocumented artificial fill, if any) in order to provide competent subgrade and bearing conditions. In general, remedial removals are anticipated to extend 5 feet below existing grades within the proposed building pads. Removals within the proposed streets may be limited to removal and re-compaction of the upper 2 to 3 feet, below existing grades, upon review and approval by the geotechnical consultant. Deeper removals may be required locally, where existing trees, utility lines, and structures/foundations are to be abandoned and removed or where deeper undocumented fill (if any) is encountered. The recommended remedial removals will help reduce the potential for future settlement at the site.

As discussed above and per our review of the prior data, near-surface soils may pump or be unable to support the weight of heavy equipment. Special handling (e.g., top-loading with excavator) may be required to complete remedial grading. The removal bottoms and/or trench excavations for utility lines may be wet/saturated, soft, and require stabilization of the bottom. Removal bottoms may require stabilization to support heavy compaction equipment and can be stabilized with a layer of geotextile material (Mirafi HP270 or equivalent) placed at the bottom of the excavation, with 6 to 12 inches of ¾-inch or 1-inch gravel (or crushed aggregate base) over the geotextile. Alternatively, removal bottoms may be stabilized with one foot of cement-treated soil with a minimum of 6 percent cement.

Considering the onsite soils may be wet/saturated, achieving adequate compaction at acceptable moisture contents during fill placement and in a short period of time may be difficult. Therefore, cement treating of the onsite soils should be considered. Cement treatment, if necessary, should consist of mixing the onsite soils with 6 percent cement. Other measures such as mixing, drying, etc. may also be used; however, these measures are typically time-consuming and logistically difficult to perform.

Septic tanks, cesspools, and/or wells may be encountered at the site during grading. If encountered, they should be removed in accordance with Orange County Health Care Agency requirements and the project environmental engineer's recommendations.

Considering the relatively minor grading anticipated to achieve design grades, the laboratory test data, and our analysis, building foundations and slabs should be designed to tolerate a total settlement (combined static and seismic) of 1.5 inches and a differential settlement of $\frac{3}{4}$ -inch over a span of 40 feet. Onsite soils are anticipated to have "Low" to "Medium" expansion potential at the completion of grading.

Based on our findings, we conclude that the proposed residential development is feasible from a geotechnical viewpoint, provided it is designed and constructed in accordance with the recommendations presented in this report and any future design report(s). The site is not considered suitable for infiltration of stormwater at shallow depth (uppermost 10 feet); however, is suitable at depths between 48 and 50 feet below existing grades. Additional subsurface exploration and laboratory testing may be necessary during the design phase of the project in order to determine/confirm percolation rates, depending on the location and depth of the proposed system(s).

1.0 INTRODUCTION

1.1 Introduction and Scope of Services

At your request, SA Geotechnical, Inc. (SA GEO) has conducted a geotechnical due diligence study for the proposed residential development located at 2020 East First Street in the City of Santa Ana, California (Figure 1). The purpose of our review was to assess the onsite geologic and geotechnical conditions and provide preliminary recommendations for design, grading, and construction of the proposed improvements. We have reviewed the Conceptual Site Plan, dated April 20, 2023, which shows the generalized site layout; however, contains no existing or proposed grades. We have utilized a Google Earth satellite image as the base for our Geotechnical Map (Plate 1).

Our scope of services for this due diligence study included the following tasks:

- Review of available geologic and geotechnical maps, reports, and data for the subject site and surrounding area, including the site-specific studies performed by others. A list of references is included in Appendix A.
- Review of boring logs, laboratory test data, and percolation test data by others. The data is included in Appendices B, C, and E respectively.
- Historic aerial photograph review, dating back to 1946.
- Preliminary evaluation of faulting, seismicity, and seismic and static settlement in accordance with the 2022 California Building Code (CBC).
- Preparation of this report including our findings, conclusions, preliminary recommendations, and accompanying illustrations.

SA GEO's expertise and scope of services do not include assessment of potential subsurface environmental contaminants or environmental health hazards.

1.2 Site Condition and History

The subject site is located at 2020 East First Street, Santa Ana, California (see Figure 1). The approximately 3.7-acre rectangular-shaped site is bound by East First Street to the north, an apartment community to the east, a private school to the south, and Golden Circle Drive and a school athletic field to the west. The site is currently developed with an approximately five-story office building, at-grade asphalt paved parking lot and drive aisles, and landscaping/hardscaping throughout the property. We performed a site reconnaissance on February 15, 2024, to review the existing site conditions. The existing building appears vacant/abandoned with the first-floor doors and windows boarded with plywood.

We also performed an archive search and reviewed the architectural and structural plans for the existing building that were available at the City on February 23, 2024. The plan reviewed is titled "2020 East First Street, A Development of McMahon/Oliphant Properties, Santa Ana, California", dated August 15, 1984 and prepared by The McMahon Partnership Architecture and Planning. The structural sheets were prepared by SKT Structural Engineering. Per our review of the foundation plan, the existing structure is supported on pad footings and grade beams. The footings vary in

dimension and include square pad footings (4 feet by 4 feet up to 18 feet by 18 feet) and rectangular pad footings (up to 14 feet by 24 feet) with footing depths ranging from 1.25 feet to 3 feet. The existing slab on grade thickness is 4 inches reinforced with welded-wire mesh, underlain by 2 inches of sand over visqueen vapor barrier.

Based on our review of available historic aerial photographs dating back to 1946, the earliest land use at the subject site and surrounding areas was for agricultural purposes (orchards). Development of the site and surrounding area occurred by 1966 and appears to have been for commercial/industrial use. At that time, the site was developed with two buildings and a large at-grade asphalt parking lot. The site remained unchanged until approximately 1985, when the original structures were demolished and the current multi-story office building was constructed. No significant changes were observed at the subject site since that time.

1.3 Proposed Grading and Improvements

Prior to any site development or grading, the existing structures, pavements, utilities, and hardscape will be demolished. Considering the site is relatively flat, we anticipate design grading to consist of cuts and fills on the order of 1 to 3 feet to reach pad grades and provide for proper site drainage.

Based on our review of the Conceptual Site Plan, the development is proposed to include construction of 12 multifamily residential buildings (3-story) and three multifamily live-work buildings (4-story) with a total of 86 units. The project also includes a public front plaza, interior streets, community courtyards and paseos, and utility improvements to support the development. We anticipate the proposed multifamily units will consist of wood-framed construction.

1.4 Prior Geotechnical Studies

In 2023, a geotechnical study was performed onsite by Salem Engineering Group, Inc. (2023). We were provided and have reviewed the "Geotechnical Engineering Investigation, Proposed Industrial Storage Facility, 2020 E. 1st Street, Santa Ana, California". The subsurface investigation included nine hollow-stem auger borings (B-1 through B-7, P-1, and P-2) to depths ranging from 5 to 51.5 feet bgs. Percolation testing was performed in two borings (P-1 and P-2) at depths of 5 and 9.75 feet bgs. Laboratory testing was conducted on bulk and in-situ samples collected during drilling.

A prior geotechnical study was also performed onsite by GeoTek, Inc (2021). We have reviewed the "Geotechnical and Infiltration Evaluation, Proposed Multi-Family Residential Development, APN 402-191-03, 2020 East 1st Street, Santa Ana, Orange County, California". The investigation included nine hollow-stem auger borings (B-1 through B-5 and I-1 through I-4) to depths ranging from 21.5 to 51.5 feet bgs. Percolation testing was performed in four of the borings, I-1 through I-4, at depths of 48 to 50 feet bgs. Laboratory testing was conducted on bulk and in-situ samples collected during drilling.

The approximate boring locations associated with the prior studies are provided on the Geotechnical Map (Plate 1). Boring logs and laboratory test data are provided in Appendix B and C, respectively.

2.0 GEOTECHNICAL FINDINGS

2.1 Geologic Setting and Geotechnical Conditions

The subject site is located in the western portion of the Tustin Plain, within the Peninsular Ranges geomorphic province of Southern California. The site is mapped by the U.S. Geological Survey (USGS, 2006) as underlain by extensive Quaternary-age alluvial fan deposits. The alluvium encountered during the prior subsurface exploration (Salem, 2023; GeoTek, 2021) generally consisted of brown, reddish brown, dark brown, and gray silty/clayey sand, sandy silt, and sandy/silty clay.

Based on our review of the prior geotechnical exploration and laboratory testing (Appendix C), the site geotechnical conditions are generally as follows:

Soil Moisture Content and Dry Density: Native alluvial soils had in-situ moisture contents and dry densities ranging from 1.4 to 26.4 percent and 86.1 to 120.3 pounds per cubic foot (pcf), respectively. Blow counts in the alluvial materials generally ranged from 3 to 42 blows per foot. Alluvial soils were generally found to be damp to wet and soft to very stiff/loose to medium dense.

Soil Properties: Grain-size distribution tests were performed on nine in-situ samples collected from depths of 2, 5, 10, 25, 35, 40, and 50 feet. The samples were classified in accordance with the Unified Soil Classification System (USCS) as silty sand (SM), sandy silt (ML), sandy clay (CL), and sandy gravel with silt (GW-GM) with fines contents (passing No. 200 sieve) of 21 to 44, 62 to 77, 53 to 69, and 8 (GW-GM) percent, respectively.

Grain-size distribution tests were also conducted on four bulk samples collected from the uppermost 5 feet and from depths of 25, 40 and 45 feet. The near-surface sample was classified in accordance with the USCS as clayey sand (SC), while the other tested samples were classified as silty sand (SM), clay (CL), and silty sand (SM) with fines contents of 48, 32, 76 and 13 percent, respectively.

Soil plasticity testing was performed on two in-situ samples collected at depths of 15 and 30 feet bgs and one bulk sample collected from the uppermost 5 feet. The bulk sample was also classified as CL with Plasticity Index of 63 and Liquid Limit of 89 percent. However, the results do not appear to be representative of the overall near-surface soil conditions at the site. The in-situ samples were classified as CL with Plasticity Indices of 14 and 16 and Liquid Limit of 30 percent.

Maximum dry density testing of two near surface samples (collected from the uppermost 5 feet) indicates that the near surface clayey and silty sands have maximum dry densities of 119.5 and 126.0 pcf with optimum moisture contents of 13.0 and 10.5 percent, respectively.

Shear Strength: Two undisturbed direct shear tests were performed on in-situ samples collected from depths of 2 and 5 feet bgs. The direct shear test results indicate the samples had peak internal friction angles of 29.7 to 32.2 degrees, with cohesions of 296 and 260 pounds per square foot (psf), respectively.

One remolded direct shear test was performed on a bulk sample collected from the uppermost 5 feet. The remolded direct shear test results indicate that the sample had an internal friction angle of 23 degrees, with cohesion of 344 psf, respectively.

Collapse/Hydroconsolidation: Tests were performed on five samples collected at depths between 2 to 6 feet. The samples generally had minor collapse (less than 1 percent) upon the addition of water at a load of 1.6 to 2 tsf.

Expansion Potential: Expansion index testing was performed on two samples collected from the uppermost 5 feet. The results indicate "Very Low" to "Low" expansion potential (EI = 10 and 48).

Chemical Properties: Chemical testing was performed on two bulk samples collected from the uppermost 5 feet. Testing included electrical resistivity, pH, chloride content, and soluble sulfate. The electrical resistivity test results (1,273 ohm-cm) indicate that the onsite soils are corrosive to ferrous metals. Soil pH value was 8.2. Chloride content was 17.6 and 29 ppm with soluble sulfate contents of 0.03 and 0.06 percent. Soluble sulfate contents indicate the soils are classified as "S0" per Table 19.3.1.1 of ACI-318-14.

2.2 Groundwater

Groundwater was not encountered during the prior explorations to a maximum depth of 51.5 feet bgs. Historic high groundwater mapping indicates high groundwater is greater than 40 feet bgs (CDMG, 1998). Groundwater well data available on the State of California Water Resources Control Board database ("GeoTracker") shows depth to groundwater in the vicinity is greater than 60 feet bgs. Groundwater is anticipated to fluctuate both seasonally and annually.

2.3 Regional Faulting and Seismicity

Regional Faults: The site is not located within a fault-rupture hazard zone as defined by the Alquist-Priolo Special Studies Zones Act (CGS, 2018). Also, based on mapping by the State (Jennings and Bryant, 2010), there are no active faults mapped at the site.

Seismicity: Properties in southern California are subject to seismic hazards of varying degrees depending upon the proximity, degree of activity, and capability of nearby faults. These hazards can be primary (i.e., directly related to the energy release of an earthquake) or secondary (i.e., related to the effect of earthquake energy on the physical world). Since there are no active faults at the site, the potential for primary ground rupture is considered very low. The primary seismic hazard for this site is ground shaking during a future earthquake.

Using the USGS deaggregation computer program (USGS, 2024) and the site coordinates of 33.74480 north latitude and -117.83772 west longitude, the closest major active faults include the San Joaquin Hills Fault and Peralta Hills Fault. The maximum moment magnitude for the controlling fault is 7.2 M_w , which would be generated from the San Joaquin Hills Fault; however, numerous other regionally active faults could also produce ground shaking at the site during an earthquake.

The site is not located within a mapped potential liquefaction hazard zone, as defined by the State's Seismic Hazard Mapping (CDMG, 2001). Other secondary seismic hazards, such as tsunami and

seiche are considered nil due to site elevation and distance from the ocean or other confined body of water (CGS, 2021).

2.4 Settlement and Foundation Considerations

In general, the anticipated settlements depend upon the building loads, type of foundations, and the geotechnical properties of the supporting subgrade soils. We have reviewed the consolidation test data included in the prior geotechnical reports by others (Salem, 2023; GeoTek, 2021). Considering the subsurface soil conditions and laboratory test data, and relatively lightly loaded residential structures, we estimate total settlement (combined static and seismic) to be on the order of 1.5 inches and differential settlement to be on the order of $\frac{3}{4}$ -inch over a 40-foot span. This assumes remedial grading measures recommended in Section 3.2 of this report are implemented.

The total and differential seismic settlement is anticipated to be less than $\frac{1}{2}$ -inch and $\frac{1}{4}$ -inch over a span of 40 feet respectively.

2.5 Shrinkage and Bulking

The shrinkage and bulking (reduction or increase in volume of excavated materials on recompaction as fill) varies by soil type and location. The volume changes depend primarily on in-situ density and the maximum dry density of the soil type. We anticipate that the near surface (uppermost 5 feet) alluvial materials will have shrinkage of 0 to 5 percent. An average value of 3 percent may be assumed for soil in the upper 5 feet. Ground subsidence at the site is estimated to be on the order of 0.1 foot. These values exclude losses due to removal of vegetation and debris and are dependent on the accuracy of the site topographic survey and type of equipment and compaction method used by the contractor.

2.6 Percolation Testing

Percolation testing at the site was performed as part of the prior studies (Salem, 2023; GeoTek, 2021). Testing was reportedly performed in general accordance with the County of Orange WQMP Technical Guidance Document.

We have reviewed the field data collected during testing in order to perform our own calculations for tests I-1 through I-4 (Geotek, 2021), which are presented in Appendix E. The County of Orange TGD does not include calculation adjustments to account for the presence of the annular backfill material ($\frac{3}{4}$ -inch gravel) used to construct the test wells. In our experience, this generally results in overestimation of infiltration rates. We have used a correction factor to account for the volume loss due to the annular material, based on the porosity of the annular backfill material, the pipe diameter used, and the boring diameter. The correction factor is noted on the percolation test data sheets (Appendix E).

The test well construction for locations P-1 and P-2 was not discussed in the associated report (Salem 2023) and is unknown; thus, we did not recalculate the data for those locations.

The calculated infiltration rates are provided below, which include the correction factor discussed above (I-1 through I-4); however, the rates below do not include a factor of safety reduction. A discussion of the design infiltration rates, including factor of safety, is provided in Section 3.14.

The infiltration test results are representative of the locations and depths the tests were performed. Due to the potential for variation in the subsurface conditions, infiltration rates could vary across the site and with depth.

<i>Boring No.</i>	<i>Tested Depth (ft. bgs)</i>	<i>Calculated Infiltration Rate (in./hr.)</i>
P-1	3 to 5	0.24
P-2	8.0 to 9.75	0.61
I-1	48.25 to 50	3.0
I-2	48.25 to 50	2.9
I-3	48.25 to 50	2.9
I-4	48.25 to 50	3.0

2.7 Existing Pavement Section and Utilities

The existing pavement sections as measured during the prior explorations are shown on the boring logs (Appendix B). The existing asphalt concrete thicknesses varied at each boring location, ranging from 2.5 to 5.75 inches. Aggregate base was not encountered at some locations and in others approximately 3.5 to 11 inches of aggregate base was encountered below the asphalt concrete pavement.

Existing utilities consisting of storm drain, area drain, electric, gas, water and sewer lines should be anticipated at the site. At the time of our visit, we observed several sewer line manholes, electrical vaults, irrigation lines and fire water hydrants at the site. We also observed distressed pavement conditions at various locations but noticeably within a trench backfill area which settlement was apparent.

3.0 CONCLUSION AND PRELIMINARY RECOMMENDATIONS

3.1 General Conclusion and Recommendation

Based on our review, construction of the proposed residential development, as described herein, is considered geotechnically feasible provided the preliminary recommendations in this report are implemented during design, grading, and construction. The geotechnical consultant should review the WQMP once available. Additional geotechnical exploration and/or percolation testing may need to be performed during the design phase to determine/confirm infiltration rates at the location and depth of the infiltration device(s). Also, grading, foundation, utility, structural and wall plans for the project should be reviewed by the geotechnical consultant during the design phase. Updated recommendations should be provided once the project plans are finalized and reviewed by SA GEO and as needed.

The recommendations in this report should be considered minimum and may be superseded by more restrictive requirements of others. In addition to the following recommendations, General Earthwork and Grading Specifications are provided in Appendix F.

3.2 Site Preparation and Earthwork

Site preparation and grading should be performed in accordance with the recommendations herein and the requirements of the City of Santa Ana.

3.2.1 Site Demolition and Clearing

Prior to remedial grading, any existing structures, foundations, hardscape/landscape, and utilities to be abandoned should be demolished. Deleterious materials and debris should be cleared and disposed of offsite. Excavations for the removal of existing foundations, utilities and vegetation, including onsite trees, should be observed by the geotechnical consultant. Large roots, highly organic soils, and existing utilities should be removed and should not be incorporated into new fills.

Soil that is disturbed as part of excavations or removal of trees or underground utilities should be evaluated by the geotechnical consultant. Excavations that require backfill should be properly documented and compacted under the observation and testing of the geotechnical consultant.

Cesspools, septic tanks and/or wells may be encountered at the site. If encountered, they should be removed in accordance with Orange County Health Care Agency requirements and the project environmental engineer's recommendations. Any voids should be backfilled with suitable onsite or import materials and compacted in accordance with the recommendations provided in Section 3.2.4.

As discussed previously and per our review of the foundation plan, the existing structure is supported on pad footings and grade beams. The footings vary in dimension and include square pad footings (4 feet by 4 feet up to 18 feet by 18 feet) and rectangular pad footings (up to 14 feet by 24 feet) with footing depths ranging from 1.25 feet to 3 feet. The existing slab on grade thickness is 4 inches reinforced with welded-wire mesh, underlain by 2 inches

of sand over visqueen vapor barrier. All improvements associated with the existing building should be removed in their entirety prior to grading of the site.

3.2.2 Protection of Existing Improvements and Utilities

Existing buildings, improvements and utilities that are to be protected in place should be located and visually marked prior to grading operations. Excavations adjacent to improvements to be protected in-place or any utility easement should be performed with care, so as not to undermine existing foundations or destabilize the adjacent ground.

Stockpiling of soils more than 5 feet in height at or near existing structures and over utility lines should not be allowed. If deeper removals are required, shoring or other special measures (i.e., setback or laybacks) to provide safety and mitigate the potential for lateral/vertical movements may be required.

3.2.3 Remedial Grading Measures

Remedial grading at the site should consist of removal of undocumented fill (if any) and weathered/unsuitable alluvium in their entirety. In general, we recommend that remedial removals within the proposed building pads consist of removal and recompaction of soils in the upper 5 feet, below existing grades. Removals within the proposed streets may be limited to removal and re-compaction of the upper 2 to 3 feet, below existing grades, provided the removal bottom exposes competent native alluvium. Where deeper unsuitable material or undocumented fill is encountered, the removals should be extended to the bottom of unsuitable materials and/or undocumented fill to competent native soils. Where not limited by adjacent properties, the removals should extend a minimum of 5 feet laterally beyond the building footprints.

Based on our review of prior onsite data, saturated and soft soils may be encountered at depths between 2.5 and 5 feet bgs. The near-surface soils may pump and/or lose bearing under the weight of heavy equipment. Special handling (e.g., top-loading with excavator) may be required to complete the remedial grading. If removal bottoms expose wet/saturated soft materials, stabilization of the removal bottom will be required. Removal bottoms may be stabilized with a layer of geotextile material (Mirafi HP270 or equivalent) placed at the bottom of the excavation, with 6 to 12 inches of ¾-inch or 1-inch gravel (or crushed aggregate base) over the geotextile. Alternatively, bottoms may be stabilized with one foot of cement-treated soil with a minimum of 6 percent cement. In addition, we anticipate that achieving adequate compaction at acceptable moisture contents may be difficult considering the presence of wet/saturated soils at the site (see Section 3.2.4).

The geotechnical consultant should review and approve removal bottoms prior to fill placement and should provide specific recommendations based on actual conditions, if necessary.

Excavations deeper than 4 feet will need to be laid back at a minimum inclination of 1H:1V (horizontal to vertical) or provided with shoring. Shallow, unconfined excavations (4 feet or less) may consist of near-vertical excavation, locally, and upon review by the geotechnical consultant. Trench excavations are anticipated to expose Type "B" soils and should be performed in accordance with Cal/OSHA requirements. The contractor's qualified person

should review field conditions and verify compliance with Cal/OSHA requirements. Excavations near existing structures (within a 1:1 projection) should be provided with shoring that is designed to support the surcharge load of the existing structure. Otherwise, excavations may need to be performed in sections (A/B/C slot cuts). The conditions should be reviewed in the field by the project geotechnical consultant. Additional recommendations should be provided based on the actual conditions encountered during excavation and grading, as needed.

3.2.4 Fill Placement

Upon the completion of remedial grading measures, the approved removal bottoms should be scarified a minimum of 6 inches. Onsite soils may be used as fill material, provided that adequate compaction at acceptable moisture contents is achievable. In general, we anticipate that achieving adequate compaction at acceptable moisture contents may be difficult considering the presence of wet/saturated soils at the site. Therefore, cement treatment of the soils may be necessary and should be anticipated during grading and fill placement. If needed, we recommend that the onsite soils be mixed with 6 percent cement. Other measures such as mixing, drying, etc. may also be used; however, these measures are typically time-consuming and logistically difficult to perform. The removal bottoms and fill materials should be compacted to at least 90 percent of maximum dry density, as determined by ASTM Test Method D1557. The moisture content of the fill materials should be 2 to 3 percent above the optimum moisture content but within the compactable levels. Fill materials should be placed in loose lifts no thicker than 8 inches.

Fill materials should be relatively free of deleterious material. The existing native alluvial soils are considered suitable for re-use as compacted fill provided any deleterious material is removed. The compacted fill soils should be moisture conditioned to 2 to 3 percentage points above optimum moisture content but within the compactable moisture range.

3.2.5 Import

The geotechnical consultant should evaluate and accept any import soils prior to transportation to the subject site. We recommend that import soils have similar engineering properties as onsite soils. At minimum, the import materials should have Expansion Index of less than 90, Plasticity Index of less than 15, fines content (passing Sieve 200) of less than 50 percent, and negligible soluble sulfate content.

3.3 Settlement Potential

The amount of settlement will depend upon the type of foundation(s) selected and future loading by additional fill and structures. Based on our analysis and considering the remedial grading recommendations provided in this report are implemented during grading, and the anticipated structural loads typically associated with the proposed structures, we estimate that total and differential post-construction settlement (combined static and seismic) will be on the order of 1.5 inches and $\frac{3}{4}$ -inch over a span of 40 feet, respectively.

SA GEO should be provided with the foundation plans and structural loads, once available, in order to further evaluate the potential for post-construction settlement of the proposed building

and associated improvements. The parameters provided herein will then be confirmed/updated based on the planned foundations and loads and additional testing and analysis.

3.4 Foundation Design

The slab and foundations should be designed by the project structural engineer based on the proposed structure type and the anticipated loading conditions. The foundation soils have expansive soil conditions (Expansion Index of greater than 20) and will be subject to climatic and landscape moisture fluctuations. The following foundation recommendations are provided with the assumption that the recommendations included in Section 3.2 of this report are implemented during grading of the site.

The recommended net allowable bearing capacity for continuous and isolated footings may be calculated based on the following equation:

$$q_{all} = 700 D + 200 B + 900 \text{ (but not to exceed 3,000 psf)}$$

where:

D = embedment depth of footing, in feet

B = width of footing, in feet

Also, the following parameters may be used for design of foundation and slabs:

- Soil unit weight = 120 pcf
- Soil internal friction angle = 28 degrees
- Coefficient of Friction = 0.35
- Subgrade modulus (k) of 75 pci (corrected for large slabs)
- Soil elastic modulus (Es) of 1,500 psi

The dead load of concrete below adjacent grades (buried concrete foundations) may be neglected. The allowable bearing pressure and friction coefficient may be increased by one-third for wind and seismic loading.

We recommend that strip and isolated footings for the buildings have a minimum embedment depth of 12 inches below the lowest adjacent grade. Continuous footings should be at least 12 inches wide and isolated column footings should be at least 24 inches wide. The footings of freestanding and isolated structures, such as walls and pilasters, should have a minimum embedment depth of 18 inches into approved soils.

The following table provides our general guidelines and preliminary recommendations for design of post-tensioned foundations and slabs in accordance with the 2022 California Building Code (CBC) and Post-Tension Institute (PTI) DC 10.5 Edition provisions.

GEOTECHNICAL GUIDELINES FOR DESIGN OF POST-TENSIONED SLABS

Parameter	Recommendation
Center Lift	
Edge Moisture Variation Distance, e_m	9.00 feet
Center Lift, y_m	0.55 inches
Edge Lift	
Edge Moisture Variation Distance, e_m	4.60 feet
Edge Lift, y_m	0.75 inch
Presaturation, as needed, to obtain the minimum moisture down to the minimum depth	1.2 x optimum down to 12 inches

We recommend that post-tensioned slabs have a thickened edge such that the slab is embedded a minimum of 12 inches below the lowest adjacent grade.

In addition, as indicated in the DC 10.5 Edition of PTI, shape factor calculations should be performed by the project structural engineer in order to determine if strengthening/modification of foundations are necessary. Per PTI guidelines, modifications to the foundations design should be considered if the shape factor (ratio of square of foundation perimeter over foundation area) exceeds 24.

If non-post-tensioned slabs-on-grade and foundations are considered at the site, an effective Plasticity Index of 30 is considered appropriate for the upper 15 feet of soil materials, in accordance with Wire Reinforcement Institute (WRI) method (per the 2022 CBC). For non-post-tensioned slabs, we recommend a minimum embedment of 12 inches below the lowest adjacent grade for the perimeter footings. Also, the upper 12 inches of subgrade soil should be pre-saturated to 120 percent of optimum moisture content prior to placement of moisture barrier and concrete.

The foundations and slabs should also be designed to tolerate the total and differential settlements discussed in Section 3.3 of this report.

For the design of pole-type foundations (i.e., light poles, shade structures, etc.), an allowable soil-bearing pressure (s_1) of 340 psf/ft may be used for Equation 18-1 (the "pole" equation) of the 2022 CBC Section 1807.3.2.1 to determine the depth of embedment for the footings, considering level ground conditions. The equation is applicable for designed embedment depths of less than 12 feet for the purpose of computing lateral pressure. Also, for vertical loads on pole-type foundations, an allowable skin friction of 250 pounds per square foot may be used. For cast-in-place pole-type foundations, the vertical end bearing pressure should be neglected. We recommend that pole-type foundations have a minimum embedment of 2.5 feet below lowest adjacent grades.

3.5 Interior Slab Moisture Mitigation

In addition to geotechnical and structural considerations, the project owner should also consider interior moisture mitigation when designing and constructing slabs-on-grade.

The intended use of the interior space, type of flooring, and the type of goods in contact with the floor may dictate the need for, and design of, measures to mitigate potential effects of moisture emission from and/or moisture vapor transmission through the slab. Typically, for human occupied structures, a vapor retarder or barrier is recommended under the slab to help mitigate moisture transmission through slabs. The most recent guidelines by the American Concrete Institute (ACI 302.1R-04) suggest that the vapor retarder be placed directly under the slab (no sand layer). However, the location of the vapor retarder may also be subject to the builder's past successful practice. Placement of 1 or 2 inches of sand over the moisture retardant has been common practice by builders in southern California. Specifying the strength of the retarder to resist puncture and its permeance rating is important. These qualities are not necessarily a function of the retarder thickness. A minimum of 10-mil is typical but some materials, such as 10-mil polyethylene ("Visqueen"), may not meet the desired standards for toughness and permeance.

Vapor retarders, when used, should be installed in accordance with standards such as ASTM E 1643 and/or those specified by the manufacturer.

Concrete mix design and curing are also significant factors in mitigating slab moisture problems. Concrete with lower water/cement ratios results in denser, less permeable slabs that also "dry" faster with regard to when flooring can be installed (reduced moisture emission quantities and rates). Rewetting of the slab following curing should be avoided since it can result in additional drying time required prior to flooring installation. Proper concrete slab testing prior to flooring installation is also important.

Concrete mix design, the type and location of the vapor retarder should be determined in coordination with all parties involved in the finished product, including the project owner, architect, structural engineer, geotechnical consultant, concrete subcontractors, and flooring subcontractors.

3.6 Retaining Walls Design and Lateral Earth Pressures

Recommendations for lateral earth pressures for permanent retaining walls and structures (if any) with approved onsite drained soils and above groundwater table are as follows:

<i>Conditions</i>	<i>Level (pcf)</i>	<i>2:1 Sloping</i>
Active	43	68
At-Rest	63	90
Passive	340	160 (sloping down)

These parameters are based on a soil internal friction angle of 28 degrees and soil unit weight of 120 pcf.

To design an unrestrained retaining wall, such as a cantilever wall, the active earth pressure may be used. For a restrained retaining wall, the at-rest pressure should be used. Passive pressure is used to compute lateral soils resistance developed against lateral structural movement. The passive pressures provided above may be increased by one-third for wind and seismic loads. The passive resistance is taken into account only if it is ensured that the soil against embedded structure will remain intact with time. Future landscaping/planting and improvements adjacent to the retaining walls should also be taken into account in the design of the retaining walls. Excessive soil disturbance, trenches (excavation and backfill), future landscaping adjacent to footings and over-saturation can adversely impact retaining structures and result in reduced lateral resistance.

For sliding resistance, the friction coefficient of 0.35 may be used at the concrete and soil interface. The coefficient of friction may be increased by one-third for wind and seismic loading. The retaining walls may also need to be designed for additional lateral loads if other structures or walls are planned within a 1H:1V projection.

The seismic lateral earth pressure for walls retaining more than 6 feet of soil and level backfill conditions may be estimated to be an additional 17 pcf for active and at-rest conditions. The earthquake soil pressure has a triangular distribution and is added to the static pressures. For the active and at-rest conditions, the additional earthquake loading is zero at the top and maximum at the base. The seismic lateral earth pressure does not apply to walls retaining less than, or equal to, 6 feet of soil (2022 CBC Section 1803.5.12).

Drainage behind walls retaining more than 2.5 feet of soil should also be provided in accordance with the attached Figure 4. Specific drainage connections, outlets and avoiding open joints should be considered during design.

3.7 Seismic Design Parameters

The following table summarizes the seismic design criteria for the subject site. The seismic design parameters are developed in accordance with ASCE 7-16 and 2022 CBC. Please note that, considering the proposed structures and anticipated structural periods, site-specific ground-motion hazard analysis was not performed for the site. Per Supplement 3 of ASCE 7-16, the value of S_{M1} , and therefore S_{D1} , have been increased by 50 percent. The seismic response coefficient, C_s , should be determined per the parameters provided below and using equation 12.8-2 of ASCE 7-16.

<i>Selected Seismic Design Parameters from 2022 CBC/ASCE 7-16</i>	<i>Seismic Design Values</i>	<i>Reference</i>
Latitude	33.74480 North	
Longitude	-117.83772 West	
Controlling Seismic Source	San Joaquin Hills	USGS, 2024
Site Class per Table 20.3-1 of ASCE 7-16	D	
Spectral Acceleration for Short Periods (S_s)	1.286 g	SEA/OSHPD, 2024
Spectral Accelerations for 1-Second Periods (S_1)	0.459 g	SEA/OSHPD, 2024
Site Coefficient F_a , Table 11.4-1 of ASCE 7-16	1.0	SEA/OSHPD, 2024
Site Coefficient F_v , Table 11.4-2 of ASCE 7-16	1.841	
Design Spectral Response Acceleration at Short Periods (S_{DS}) from Equation 11.4-4 of ASCE 7-16	0.857 g	SEA/OSHPD, 2024
Design Spectral Response Acceleration at 1-Second Period (S_{D1}) from Equation 11.4-4 of ASCE 7-16 (Includes 50% increase per Supplement 3)	0.845 g	
T_s , S_{D1}/S_{DS} 11.4.6 of ASCE 7-16	0.986 sec	
T_L , Long-Period Transition Period	8 sec	SEA/OSHPD, 2024
Peak Ground Acceleration Corrected for Site Class Effects ($PGAM$) from Equation 11.8-1 of ASCE 7-16	0.593 g	SEA/OSHPD, 2024
Seismic Design Category, Section 11.6 of ASCE 7-16	D	

3.8 Corrosivity

Based on the laboratory testing performed during prior studies, soluble sulfates exposure in the onsite soils may be classified as "S0" per Table 19.3.1.1 of ACI-318-14. Structural concrete elements in contact with soil include footings and building slabs-on-grade. The flatwork and sidewalk concrete are typically not considered structural elements. Concrete mix for structural elements should be based on the "S0" soluble sulfate exposure class of Table 19.3.2.1 in ACI-318-14. Other ACI guidelines for structural concrete are recommended. Also, onsite soils are anticipated to be corrosive to metals.

3.9 Expansion Potential

At the completion of grading, we anticipate that onsite soils will have "Low" to "Medium" expansion potential. The geotechnical recommendations provided in this report including the design parameters for foundations, slab-on-grade and flatwork improvement should be implemented during design and construction. These parameters may be updated upon additional testing at the completion of grading.

Homeowners and their design/construction team should be familiar with the recommendations in this report as well as principles described in a useful reference published by the California Geotechnical Engineers Association (CalGeo), titled, "Coexisting with Expansive Soil: An Informational Guide for Homeowners." This free booklet can be downloaded at www.calgeo.org.

3.10 Exterior Concrete

The driveway, patio slabs and other flatwork elements should be at least 4 inches thick. Concrete should be reinforced with No. 3 bars placed at 24 inches on center both ways (or equivalent wire-mesh). We recommend that the concrete flatwork be placed over 2 to 4 inches of granular material placed over compacted subgrade soils. Concrete slabs should be provided with construction or weakened plane control joints at a maximum spacing of 8 feet. The control joints should have a thickness that is $\frac{1}{4}$ of the total concrete thickness. Upon the placement and compaction of subgrade soils (per Section 3.2 of these recommendations), the upper 12 inches of the subgrade soils should be pre-saturated to 120 percent of optimum moisture content prior to placement of concrete and reinforcement.

For exterior slabs, the use of a granular sublayer is primarily intended to facilitate presaturation and subsequent construction by providing a better working surface over the saturated soil. It also helps retain the added moisture in the native soil in the event that the slab is not placed immediately. Where these factors are not significant, the layer may be omitted.

Exterior concrete elements such as curb and gutter, driveways, sidewalks and patios are susceptible to lifting and cracking when constructed over expansive soils. With expansive soils, the impacts to flatwork/hardscape can be significant, generally requiring removal and replacement of the affected improvements. Please note that reducing concrete problems is often a function of proper slab design, concrete mix design, placement, and curing/finishing practices. Adherence to guidelines of the American Concrete Institute (ACI) is recommended. Also, the amount of post-construction watering, or lack thereof, can have a very significant impact on the adjacent concrete flatwork.

On projects with expansive soils, additional measures such as thickened concrete edges/footings, subdrains and/or moisture barriers should be considered where planters or natural areas with irrigation are located adjacent to the concrete improvements. Design and maintenance of proper surface drainage is also very important. If the concrete will be subject to heavy loading from cars/trucks or other heavy objects, at minimum, a 6-inch-thick pavement section should be used; however, the section should be designed by the geotechnical consultant using appropriate traffic indices for the intended use.

The above recommendations typically are not applied to curb and gutter.

3.11 Preliminary Asphalt Concrete Pavement Design

Final structural pavement sections should be based on R-value testing after the completion of grading and in accordance with City of Santa Ana requirements. Based on an assumed R-value of 10 and estimated traffic indices (TIs), we recommend the following preliminary pavement sections:

<i>Street Location</i>	<i>Estimated TIs</i>	<i>Pavement Section</i>
General Drives	TI – 5.5	0.35' AC / 0.75' AB
Parking Stalls	TI – 4.0	0.25' AC / 0.50' AB

AC = Asphalt Concrete, AB = Aggregate Base

Please note that for two-stage paving operations, we recommend that the final AC cap be a minimum of 0.10 foot thick and the base AC course have a minimum thickness of 0.25 foot.

Asphalt concrete pavement should be placed in accordance with the requirements of Sections 301 and 302 of the Standard Specifications of Public Works Construction (the Greenbook). Prior to construction of pavement sections, the subgrade soils should be scarified to a minimum depth of 6 inches, moisture-conditioned as needed, and recompact in-place to a minimum of 90 percent relative compaction (per ASTM D1557). Subgrade should be firm prior to aggregate base placement.

Aggregate base materials may consist of crushed aggregate base or crushed miscellaneous base, in accordance with the Greenbook (Section 200-2). The materials should be free of any deleterious materials. Aggregate base materials should be placed in 6- to 8-inch-thick loose lifts, moisture-conditioned as necessary, and compacted to a minimum of 95 percent relative compaction (per ASTM D1557). Asphalt concrete should also be compacted to a minimum relative compaction of 95 percent.

Unpaved median and parkway areas should also be provided with vertical moisture barriers.

3.12 Trench Excavation and Backfill

Excavations should be performed in accordance with the requirements set forth by Cal/OSHA Excavation Safety Regulations (Construction Safety Orders, Section 1504, 1539 through 1547, Title 8, California Code of Regulations). In general, onsite soils may be classified as Type "B". Cal/OSHA regulations indicate that, for workmen in confined conditions, the steepest allowable slopes in Type "B" soils are 1H:1V (horizontal to vertical), for excavations less than 20 feet deep. Where there is no room for these layback slopes, we anticipate that shoring will be necessary. The soils within the adjacent streets are anticipated to be similar to onsite soils. Adequate shoring (i.e., shields) should be provided, as deemed necessary. Excavations should be reviewed by the contractor's qualified person to confirm compliance with Cal/OSHA requirements.

As discussed previously, wet, soft/compressible soils that may require stabilization measures prior to placement of the utility lines should be anticipated. Excavation bottoms may be stabilized with a layer of geotextile material (Mirafi HP270 or equivalent) placed at the bottom of the excavation, with 4 to 12 inches of ¾-inch or 1-inch gravel (or crushed aggregate base) over the geotextile. Alternatively, bottoms may be stabilized with one 12 to 18 inches of ¾-inch or 1-inch gravel (or crushed aggregate base).

Utility trench backfill should be in accordance with City of Santa Ana and/or the governing jurisdiction's specifications. In general, native soils are anticipated to be suitable for use as trench backfill from a geotechnical viewpoint with the exception of wet/saturated materials; however, the City or governing agency may require select material, sand-slurry, or other measures. Native soils used as backfill materials should be compacted to a minimum of 90 percent relative compaction (per ASTM D1557). Rocks/oversize material greater than 3 inches in largest diameter should generally not be used as trench backfill unless approved by the agency and geotechnical consultant of record. Excavation and backfilling of HDPE pipes should be in accordance with the manufacturer's requirement and the Greenbook. Select granular backfill (i.e., clean sand with SE

30 or better) may be used in lieu of native soils but should also be compacted or densified with water jetting and flooding.

Trenches excavated next to structures and foundations should also be properly backfilled and compacted to provide full lateral support and reduce settlement potential.

3.13 Groundwater

Based on the prior subsurface exploration and our review of published groundwater data in the vicinity, groundwater is anticipated to remain greater than 50 feet below proposed finish grades. Groundwater is not expected to be encountered during rough grading; however, the presence of locally saturated soils and/or perched water cannot be ruled out, especially during rainy seasons.

3.14 Stormwater Infiltration

Based on the prior onsite percolation testing, stormwater infiltration is not considered feasible in the uppermost 10 feet (below the required minimum infiltration rate); however, it is feasible at depths tested between 48 and 50 feet bgs. Additional infiltration testing may need to be conducted onsite once a water quality management plan has been prepared in order to evaluate the infiltration rates at the actual location and depth of the proposed device(s). Based on our review of the boring logs, the subsurface alluvium is very interlayered (sands/silts/clays) and is anticipated to have widely varying infiltration rates. Infiltration systems such as drywells may be well-suited for the subject site as they intersect soil stratigraphic layers and can utilize the sandy soils at depth. For preliminary design purposes, a design infiltration rate of 1.5 inch per hour may be used for devices that extend to depths of 48 to 50 feet. This rate includes a factor-of-safety of 2.

Also, based on our review of the groundwater data in the vicinity of the site, groundwater has been documented 60+ feet bgs over a reporting period of several years (2001 through 2010). Infiltration systems should maintain a minimum 10-foot vertical separation from high groundwater; thus, infiltration systems should not extend deeper than 50 feet bgs.

Infiltration systems should be designed and constructed in accordance with County of Orange and City of Santa Ana guidelines. Infiltration systems should have a minimum setback of 10 feet from proposed residential structures. The soil utilized as the infiltration surface should be reviewed and approved by the geotechnical consultant prior to installation of any infiltration devices. Special care should be taken to limit disturbance to native soils used as the infiltration surface. Proper maintenance will also be required to extend the operational life and reduce siltation or reduction in infiltration performance. All infiltration devices should be provided with an overflow system.

3.15 Surface Drainage and Irrigation

Maintaining adequate surface drainage, proper disposal of run-off water, and control of irrigation will help reduce the potential for future moisture-related problems and differential movements from soil heave/settlement.

Surface drainage should be carefully taken into consideration during design, grading, landscaping, and building construction. Positive surface drainage should be provided to direct surface water away from structures and slopes and toward the street or suitable drainage devices. Ponding of

water adjacent to the structures should not be allowed. Buildings should have roof gutter systems and the run-off should be directed to parking lot/street gutters by area drainpipes or by sheet flow over paved areas. Paved areas should be provided with adequate drainage devices, gradients, and curbing to prevent run-off flowing from paved areas onto adjacent unpaved areas.

Considering the climatic conditions in southern California and the recommended mitigation measures for expansive soils included in this report, a two-percent slope away from structures should be provided and is in substantial compliance with the 2022 CBC. Also, swales with one-percent slopes are acceptable from our geotechnical standpoint and are common practice in this locale.

Construction of planter areas immediately adjacent to structures should be avoided if possible. If planter boxes are constructed adjacent to or near buildings, the planters should be provided with controls to prevent excessive penetration of the irrigation water into the foundation and flatwork subgrades. Provisions should be made to drain excess irrigation water from the planters without saturating the subgrade below or adjacent to the planters. Raised planter boxes may be drained with weepholes. Deep planters (such as palm tree planters) should be drained with below-ground, water-tight drainage lines connected to a suitable outlet. Moisture barriers should also be considered.

It is also important to maintain a consistent level of soil moisture, not allowing the subgrade soils to become overly dry or overly wet. Properly designed landscaping and irrigation systems can help in that regard.

3.16 Additional Subsurface Exploration and Laboratory Testing

Additional subsurface exploration and laboratory testing may be necessary during the design phase of the project for determination/confirmation of the percolation rates, depending on the location and depth of the proposed system(s). Also, additional laboratory testing should be performed during and upon the completion of grading to confirm/update the design parameters herein.

3.17 Review of Future Plans

The project grading, foundation, wall, water quality management, and landscape plans should be reviewed and accepted by the geotechnical consultant prior to grading and construction.

3.18 Observation and Testing during Grading and Construction

Geotechnical observation and testing should be performed by SA GEO during the following phases of grading and construction:

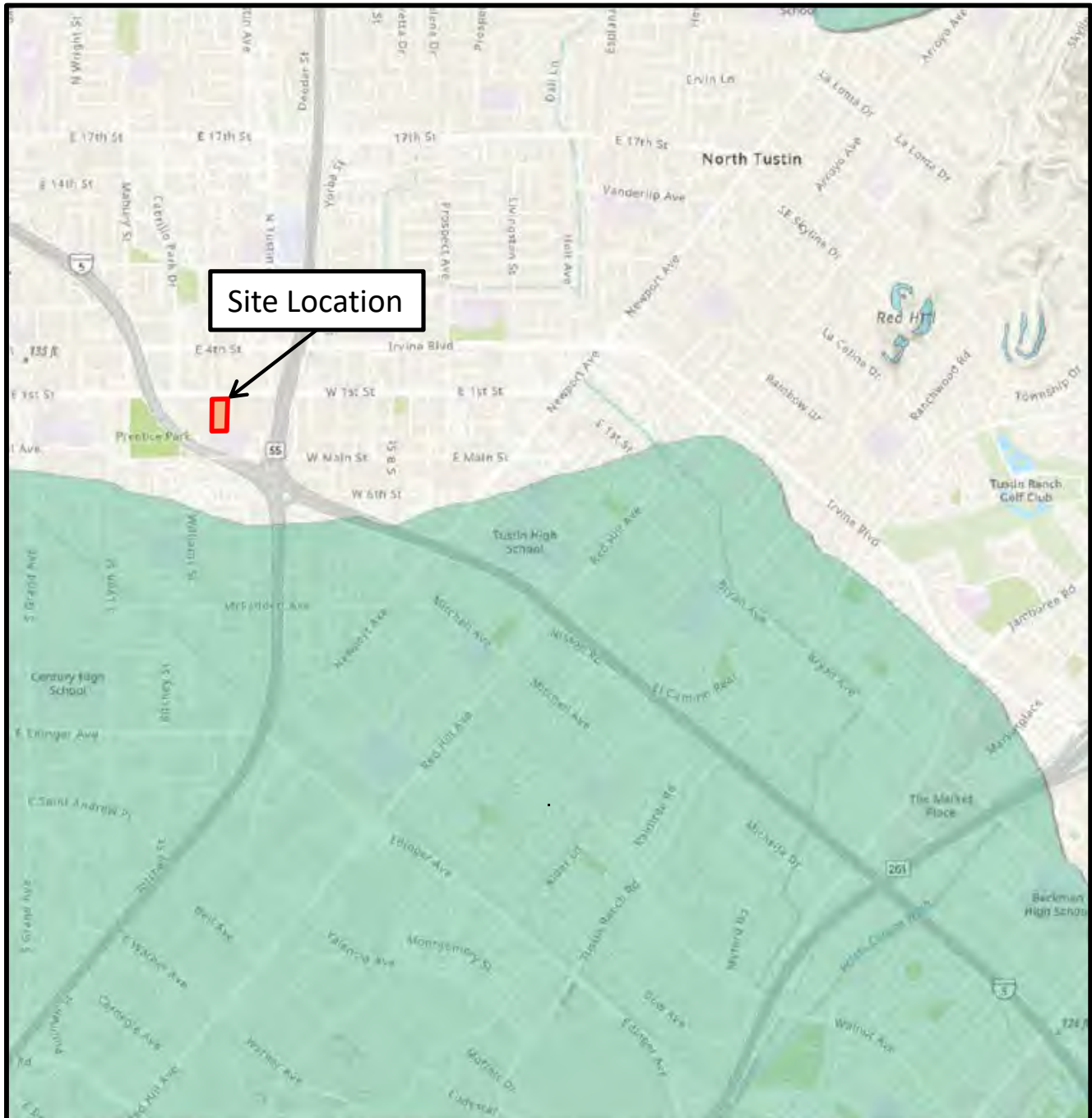
- During site demolition, preparation and clearing;
- During excavations performed for remedial grading and to relocate or remove existing underground improvements;
- During earthwork, including observation and acceptance of remedial removal bottoms and fill placement, including import material (if any);

- During removal bottom/subgrade stabilization and soil-cement mixing operation (if needed);
- Following the completion of grading, in order to verify soil properties for foundations, slab-on-grade and pavements;
- Upon completion of any foundation or structural excavation, prior to pouring concrete;
- During slab and flatwork subgrade preparation prior to pouring concrete;
- During placement of backfill for utility trenches, and stormwater infiltration devices;
- During placement of backfill for retaining structures (if any);
- During installation and backfill of subdrainage systems (if any); and
- When any unusual soil conditions are encountered.

4.0 LIMITATIONS

This report has been prepared for the exclusive use of our client, Meritage Homes, within the scope of services requested for the subject property described herein. This report or its contents should not be used or relied upon for other projects or purposes, or by other parties without the acknowledgement of SA GEO and the consultation of a geotechnical professional. The means and methods used by SA GEO for this study are based on local geotechnical standards of practice, care, and requirements of governing agencies. No warranty or guarantee, expressed or implied, is given.

Our findings, conclusions, and recommendations are professional opinions based on interpretations and inferences made from geologic and engineering data from specific locations and depths, observed or collected at a given time. By nature, geologic conditions can vary from point to point, can be very different in-between exploration points, and can also change over time. Our conclusions and recommendations are, by nature, preliminary and subject to verification and/or modification during grading and construction when more subsurface data is exposed.



Source: Seismic Hazard Zones Map, Tustin Quadrangle (CDMG, 2001)



Liquefaction

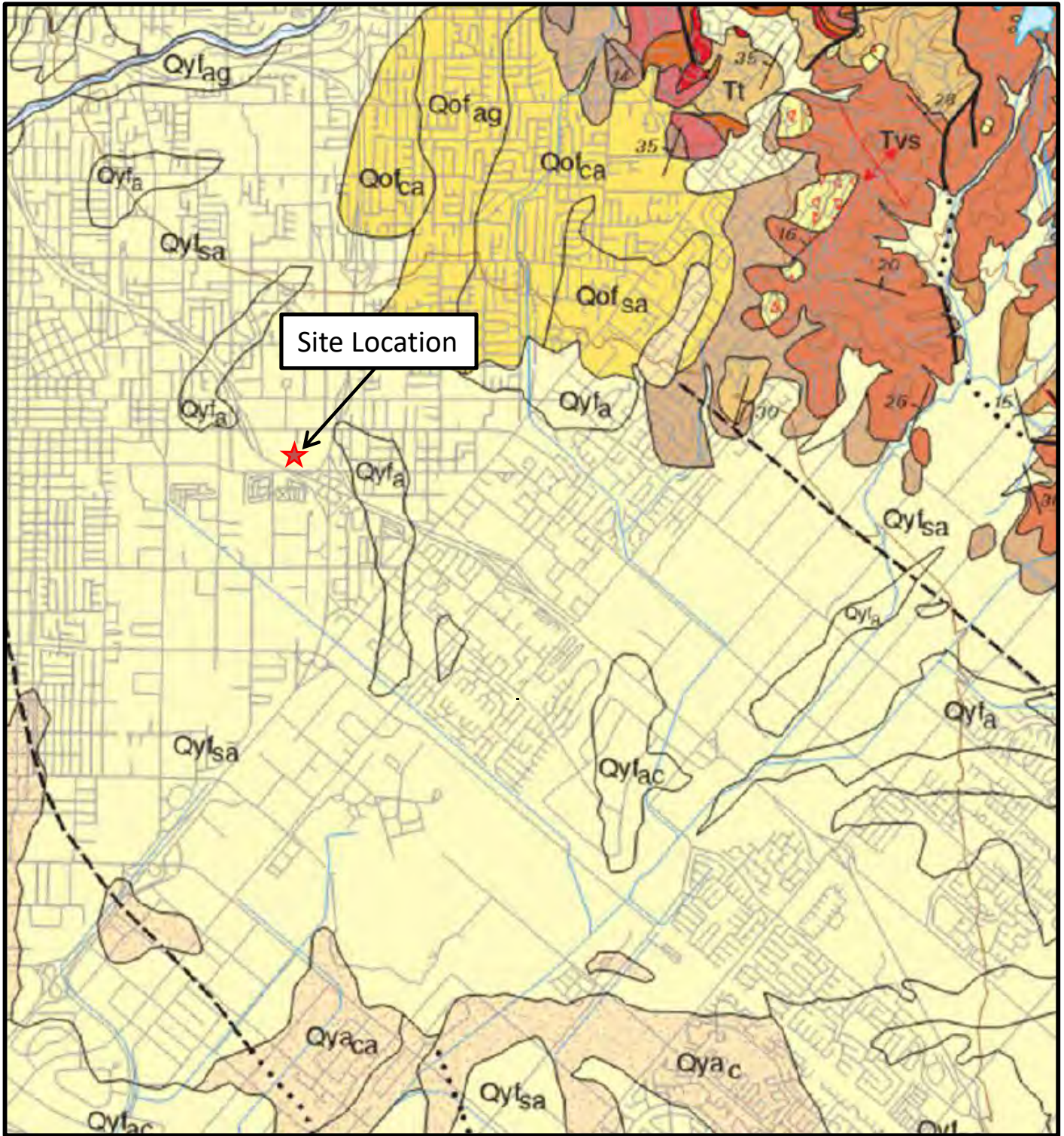
Areas where historic occurrence of liquefaction, or local geological, geotechnical and groundwater conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resource Code Section 2693(c) would be required.



Earthquake-Induced Landslides

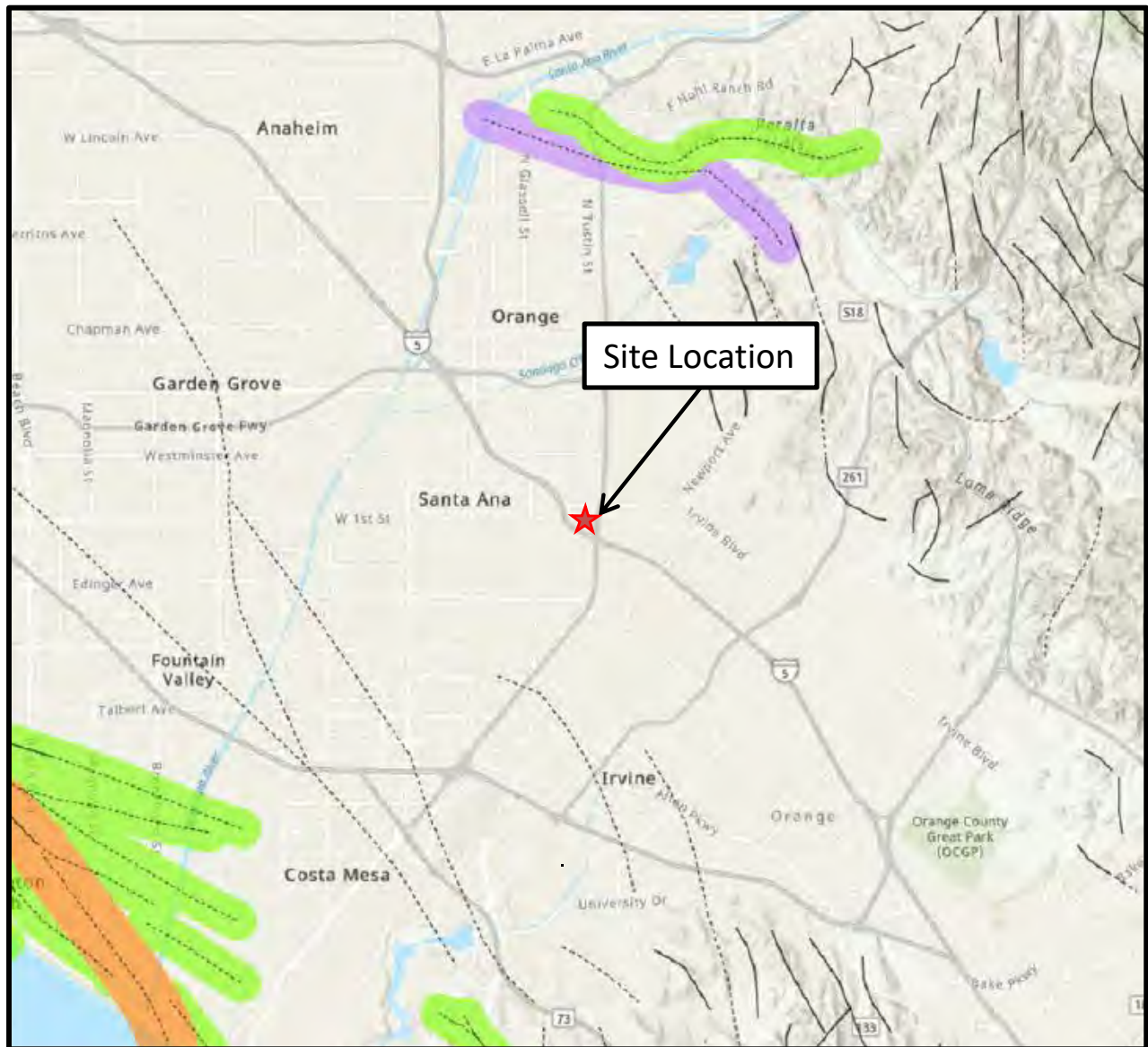
Areas where previous occurrence of landslide movement, or local topographic, geological, geotechnical and subsurface water conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resource Code Section 2693(c) would be required.

Site Location and Seismic Hazard Zones Map		
Meritage Homes Proposed Residential Development 2020 East First Street Santa Ana, California	Project Number: 23050-01 Date: February 23, 2024 Figure 1	



Source: Geologic Map of the San Bernardino and Santa Ana 30'x60' Quadrangles (USGS, 2006)

Regional Geologic Map		
Meritage Homes Proposed Residential Development 2020 East First Street Santa Ana, California	Project Number: 23050-01 Date: February 23, 2024 Figure 2	



Source: Fault Activity Map of California (Jennings and Bryant, 2010)



Holocene fault displacement (during past 11,700 years) without historic record. Geomorphic evidence for Holocene faulting includes sag ponds, scarps showing little erosion, or the following features in Holocene age deposits: offset stream courses, linear scarps, shutter ridges, and triangular faceted spurs. Recency of faulting offshore is based on the interpreted age of the youngest strata displaced by faulting.



Late Quaternary fault displacement (during past 700,000 years). Geomorphic evidence similar to that described for Holocene faults except features are less distinct. Faulting may be younger, but lack of younger overlying deposits precludes more accurate age classification.



Quaternary fault (age undifferentiated). Most faults of this category show evidence of displacement sometime during the past 1.6 million years; possible exceptions are faults which displace rocks of undifferentiated Plio-Pleistocene age. Unnumbered Quaternary faults were based on Fault Map of California, 1975. See Bulletin 201, Appendix D for source data.



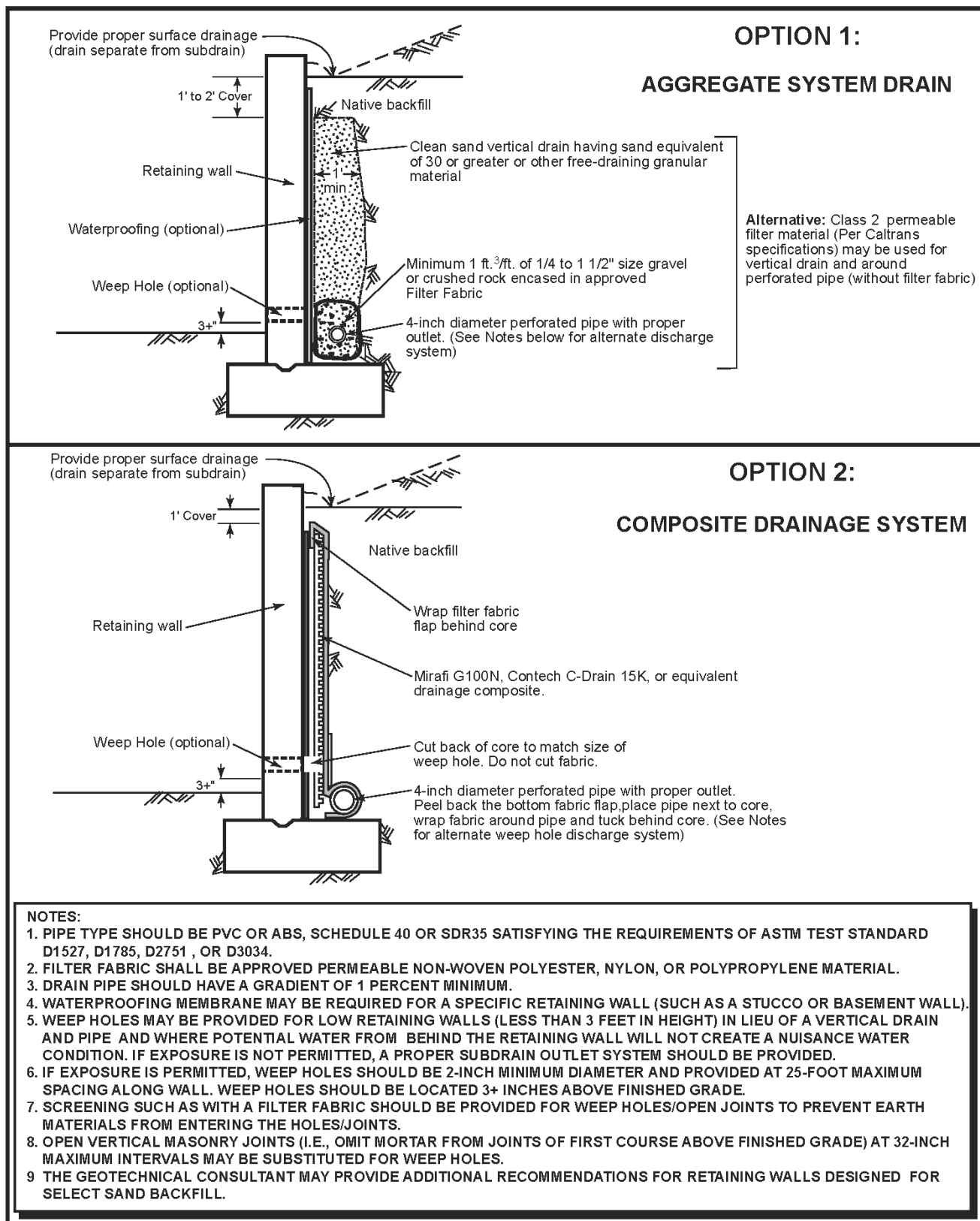
Pre-Quaternary fault (older than 1.6 million years) or fault without recognized Quaternary displacement. Some faults are shown in this category because the source of mapping used was of reconnaissance nature, or was not done with the object of dating fault displacements. Faults in this category are not necessarily inactive.

Regional Fault Map

Meritage Homes
Proposed Residential Development
2020 East First Street
Santa Ana, California

Project Number: 23050-01
Date: February 23, 2024
Figure 3





Retaining Wall Drainage Detail



Figure 4

Appendix A

APPENDIX A

REFERENCES

- California Division of Mines and Geology (CDMG), 1998, Seismic Hazard Zone Report for the Tustin 7.5-Minute Quadrangle, Orange County, California, Seismic Hazard Zone Report 012.
- California Division of Mines and Geology (CDMG), 2001, Seismic Hazard Zones Map, Tustin Quadrangle, Official Map dated January 17, 2001.
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- Jennings, Charles W. and Bryant W.A., 2010, Fault Activity Map of California, Department of Conservation, California Geological Survey, Geologic Data Map No. 6.
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- Orange County Public Works (OCPW), 2013, Orange County Watersheds Water Quality Management Plan (WQMP) Technical Guidance Document for the Preparation of Conceptual/Preliminary and/or Project Water Quality Management Plans, Exhibit 7.III, Dated December 20, 2013.
- Salem Engineering Group, Inc., 2023, Geotechnical Engineering Investigation, Proposed Industrial Storage Facility, 2020 E. 1st Street, Santa Ana, California, Dated April 17, 2023, Project No. 3-223-0252.
- State of California Water Resources Control Board, 2024, GeoTracker Website, <http://geotracker.waterboards.ca.gov/>
- Structural Engineers Association/Office of Statewide Health Planning and Development (SEA/OSHPD), 2024, U.S. Seismic Design Maps, web site address: <https://seismicmaps.org/>; Date Accessed: February 6, 2024.
- U.S. Geological Survey, 2006, Geologic Map of the San Bernardino and Santa Ana 30' X 60' Quadrangles, California, dated 2006, Open File Report 2006-1217.

APPENDIX A (Cont'd)

REFERENCES

U.S. Geological Survey, 2024, Unified Hazard Tool, NSHM 2014 Dynamic Deaggregation Program; web site address: <https://earthquake.usgs.gov/hazards/interactive/>; Date Accessed: February 6, 2024.

Appendix B

Boring Logs by Salem
Engineering Group
(2023)

KEY TO SYMBOLS

Symbol Description

Strata symbols



Asphaltic Concrete



Silty sand



Silt



Lean Clay



Well graded gravel
with silt

Misc. Symbols



Boring continues

Soil Samplers



California sampler



Standard penetration test

Notes:

Granular Soils

Blows Per Foot (Uncorrected)

	MCS	SPT
Very loose	<5	<4
Loose	5-15	4-10
Medium dense	16-40	11-30
Dense	41-65	31-50
Very dense	>65	>50

Cohesive Soils

Blows Per Foot (Uncorrected)

	MCS	SPT
Very soft	<3	<2
Soft	3-5	2-4
Firm	6-10	5-8
Stiff	11-20	9-15
Very Stiff	21-40	16-30
Hard	>40	>30

MCS = Modified California Sampler

SPT = Standard Penetration Test Sampler



Test Boring: B-1

Page 1 Of: 2

Project Number: 3-223-0252

Date: 03/29/2023

Client: Harbor Associates

Project: Proposed Industrial Storage Facility

Location: 2020 E. 1st Street, Santa Ana, CA

Drilled By: SALEM

Logged By: CC

Drill Type: CME 45C

Elevation: 136'

Auger Type: 6-5/8 in. Hollow Stem Auger

Initial Depth to Groundwater: N/A

Hammer Type: Automatic Trip - 140 lb/30 in

Final Depth to Groundwater: N/A

ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	N-Values blows/ft.	Moisture Content %	Dry Density, PCF	Remarks
0		AC	Asphalt Concrete = 5.75 in.				
135		SM	*No Aggregate Base				
	6/6 5/6 4/6		Silty SAND	9	5.9	113.9	
			Loose; moist; brown; fine to medium grain sand; trace clay; trace gravel.				
5		ML	SILT with Sand	8	20.2	99.8	
130	3/6 3/6 5/6		Firm; very moist; brown; fine grain sand.				
		CL	Sandy CLAY				
10	3/6 2/6 1/6		Soft; moist; brown; fine grain sand.	3	15.7	-	
125							
15	3/6 3/6 4/6		Grades as above; firm; very moist.	7	17.7	-	LL=30 PI=16
120							
20	3/6 3/6 5/6		Grades as above.	8	17.2	-	
115							
25	3/6 5/6 5/6	ML	Sandy SILT	10	14.3	-	
110			Stiff; moist; brown; fine grain sand.				

Notes:

Figure Number A-1



SALEM
engineering group, inc.

Project Number: 3-223-0252

Date: 03/29/2023

Test Boring: B-1

ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	N-Values blows/ft.	Moisture Content %	Dry Density, PCF	Remarks
30	3/6 3/6 5/6	CL	Sandy CLAY Firm; moist; brown; fine grain sand.	8	17.4	-	LL=30 PI=14
35	11/6 10/6 12/6		Grades as above; very stiff; very moist.	22	21.4	-	
40	12/6 11/6 9/6	SM	Silty SAND Medium dense; moist; brown; fine to coarse grain sand; trace gravel.	20	7.7	-	
45	12/6 19/6 23/6	GW-GM	Sandy GRAVEL with Silt Dense; slightly moist; brown/light gray; fine to coarse gravel; fine to coarse grain sand.	42	1.4	-	
50	14/6 18/6 19/6		Grades as above.	37	2.2	-	Cu=56.00 Cc=2.57
55			End of boring at 51.5 feet BSG.				
60							
65							
70							
75							

Notes:

Figure Number A-1



Test Boring: B-2

Page 1 Of: 1

Project Number: 3-223-0252

Date: 03/29/2023

Client: Harbor Associates

Project: Proposed Industrial Storage Facility

Location: 2020 E. 1st Street, Santa Ana, CA

Drilled By: SALEM

Logged By: CC

Drill Type: CME 45C

Elevation: 136'

Auger Type: 6-5/8 in. Hollow Stem Auger

Initial Depth to Groundwater: N/A

Hammer Type: Automatic Trip - 140 lb/30 in

Final Depth to Groundwater: N/A

ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	N-Values blows/ft.	Moisture Content %	Dry Density, PCF	Remarks
0		AC	Asphalt Concrete = 5.75 in.				
135		SM	*No Aggregate Base				
	8/6 7/6 9/6		Silty SAND	16	12.7	112.0	
			Medium dense; moist; brown; fine to medium grain sand; trace clay and gravel.				
5	2/6 3/6 3/6	ML	SILT with Sand	6	24.6	92.0	
130			Firm; moist; brown; fine grain sand.				
10	5/6 2/6 2/6	CL	Sandy CLAY	4	15.1	-	Partial recovery.
125			Soft; moist; brown; fine grain sand.				
15	8/6 2/6 2/6		Grades as above; very moist.	4	17.2	-	
120							
20	2/6 3/6 2/6		Grades as above; firm.	5	19.6	-	
115							
25			End of boring at 21.5 feet BSG.				
110							

Notes:

Figure Number A-2



Test Boring: B-3

Page 1 Of: 1

Project Number: 3-223-0252

Date: 03/29/2023

Client: Harbor Associates

Project: Proposed Industrial Storage Facility

Location: 2020 E. 1st Street, Santa Ana, CA

Drilled By: SALEM

Logged By: CC

Drill Type: CME 45C

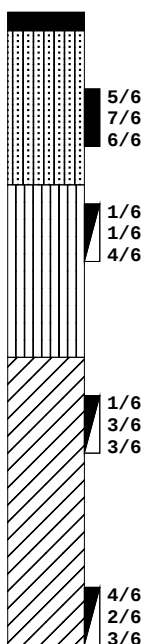
Elevation: 135'

Auger Type: 6-5/8 in. Hollow Stem Auger

Initial Depth to Groundwater: N/A

Hammer Type: Automatic Trip - 140 lb/30 in

Final Depth to Groundwater: N/A

ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	N-Values blows/ft.	Moisture Content %	Dry Density, PCF	Remarks
135 0		AC SM	Asphalt Concrete = 5.75 in. *No Aggregate Base Silty SAND Loose; very moist; brown; fine to medium grain sand; with trace gravel.	13	13.5	113.6	
130 5		ML	SILT with Sand Firm; moist; brown; fine to medium grain sand.	5	26.4	-	
125 10		CL	CLAY with Sand Firm; very moist; brown; fine grain sand.	6	17.2	-	
120 15			Grades as above.	5	18.2	-	
115 20			End of boring at 16.5 feet BSG.				
110 25							

Notes:

Figure Number A-3



Test Boring: B-4

Page 1 Of: 1

Project Number: 3-223-0252

Date: 03/29/2023

Client: Harbor Associates

Project: Proposed Industrial Storage Facility

Location: 2020 E. 1st Street, Santa Ana, CA

Drilled By: SALEM

Logged By: CC

Drill Type: CME 45C

Elevation: 134'

Auger Type: 6-5/8 in. Hollow Stem Auger

Initial Depth to Groundwater: N/A

Hammer Type: Automatic Trip - 140 lb/30 in

Final Depth to Groundwater: N/A

ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	N-Values blows/ft.	Moisture Content %	Dry Density, PCF	Remarks
0		AC	Asphalt Concrete = 5.5 in.	4	22.2	86.1	
		ML	*No Aggregate Base Sandy SILT Soft; very moist; brown; fine grain sand; with clay Grades as above.	4	19.6	-	
130			End of boring at 5 feet BSG.				
5							
125							
10							
120							
15							
115							
20							
110							
25							

Notes:

Figure Number A-4



Test Boring: B-5

Page 1 Of: 1

Project Number: 3-223-0252

Date: 03/29/2023

Client: Harbor Associates

Project: Proposed Industrial Storage Facility

Location: 2020 E. 1st Street, Santa Ana, CA

Drilled By: SALEM

Logged By: CC

Drill Type: CME 45C

Elevation: 133'

Auger Type: 6-5/8 in. Hollow Stem Auger

Initial Depth to Groundwater: N/A

Hammer Type: Automatic Trip - 140 lb/30 in

Final Depth to Groundwater: N/A

ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	N-Values blows/ft.	Moisture Content %	Dry Density, PCF	Remarks
0		AC	Asphalt Concrete = 5.5 in.				
		SM	*No Aggregate Base				
130	2/6 2/6 4/6		Silty SAND Loose; moist; brown/grayish brown; fine to medium grain sand.	6	6.6	104.6	
5	2/6 3/6 2/6		Grades as above; fine to coarse grained sand.	5	7.5	-	
125							
10	7/6 9/6 8/6		Grades as above; medium dense; with gravel.	17	11.6	-	
120			End of boring at 11.5 feet BSG.				
15							
115							
20							
110							
25							
105							

Notes:

Figure Number A-5



Test Boring: B-6

Page 1 Of: 1

Project Number: 3-223-0252

Date: 03/29/2023

Client: Harbor Associates

Project: Proposed Industrial Storage Facility

Location: 2020 E. 1st Street, Santa Ana, CA

Drilled By: SALEM

Logged By: CC

Drill Type: CME 45C

Elevation: 134'

Auger Type: 6-5/8 in. Hollow Stem Auger

Initial Depth to Groundwater: N/A

Hammer Type: Automatic Trip - 140 lb/30 in

Final Depth to Groundwater: N/A

ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	N-Values blows/ft.	Moisture Content %	Dry Density, PCF	Remarks
0		AC	Asphalt Concrete = 5.5 in.	16	19.2	107.6	
		ML	*No Aggregate Base Sandy SILT Stiff; very moist; brown; fine grain sand; with clay.				
130			Grades as above; firm.				
5				6	20.2	-	
125			End of boring at 6.5 feet BSG.				
10							
120							
15							
115							
20							
110							
25							

Notes:

Figure Number A-6



Test Boring: B-7

Page 1 Of: 1

Project Number: 3-223-0252

Date: 03/29/2023

Client: Harbor Associates

Project: Proposed Industrial Storage Facility

Location: 2020 E. 1st Street, Santa Ana, CA

Drilled By: SALEM

Logged By: CC

Drill Type: CME 45C

Elevation: 135'

Auger Type: 6-5/8 in. Hollow Stem Auger

Initial Depth to Groundwater: N/A

Hammer Type: Automatic Trip - 140 lb/30 in

Final Depth to Groundwater: N/A

ELEVATION/ DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	N-Values blows/ft.	Moisture Content %	Dry Density, PCF	Remarks
135 0		AC	Asphalt Concrete = 5.5 in.				
		ML	*No Aggregate Base SILT with Sand Stiff; very moist; mottled brown/ reddish brown; fine grain sand; with clay.	18	22.7	97.7	
130 5		SM	Silty SAND Medium dense; very moist; brown; fine to coarse grain sand.	15	7.3	-	
			Grades as above; with gravel.	20	7.3	-	
125 10			End of boring at 10 feet BSG.				
120 15							
115 20							
110 25							

Notes:

Figure Number A-7

Boring Logs by
Geotek, Inc.
(2021)

A - FIELD TESTING AND SAMPLING PROCEDURES

The Modified Split-Barrel Sampler (Ring)

The Ring sampler is driven into the ground at various depths in accordance with ASTM D 3550 test procedures. The sampler, with an external diameter of 3.0 inches, is lined with 1-inch long, thin brass rings with inside diameters of approximately 2.4 inches. The sampler is typically driven into the ground 12 or 18 inches with a 140-pound hammer free falling from a height of 30 inches. Blow counts are recorded for every 6 inches of penetration as indicated on the log of boring. The samples are removed from the sample barrel in the brass rings, sealed, and transported to the laboratory for testing.

Bulk Samples (Large)

These samples are normally large bags of earth materials over 20 pounds in weight collected from the field by means of hand digging or exploratory cuttings.

Bulk Samples (Small)

These are plastic bag samples which are normally airtight and contain less than 5 pounds in weight of earth materials collected from the field by means of hand digging or exploratory cuttings. These samples are primarily used for determining natural moisture content and classification indices.

B - BORING LOG LEGEND

The following abbreviations and symbols often appear in the classification and description of soil and rock on the log of borings:

SOILS

USCS	Unified Soil Classification System
f-c	Fine to coarse
f-m	Fine to medium

GEOLOGIC

B: Attitudes Bedding: strike/dip

J: Attitudes Joint: strike/dip

C: Contact line

.....	Dashed line denotes USCS material change
———	Solid Line denotes unit / formational change
————	Thick solid line denotes end of boring

(Additional denotations and symbols are provided on the boring log)

CLIENT:	Griffin Residential	DRILLER:	2R Drilling	LOGGED BY:	GP
PROJECT NAME:	2020 East 1st Street	DRILL METHOD:	Hollow Stem	OPERATOR:	Nick/Victor
PROJECT NO.:	2881-CR	HAMMER:	140#/30"	RIG TYPE:	CME 75
LOCATION:	Santa Ana, CA			DATE:	9/14/2021

LEGEND

CLIENT:	Griffin Residential	DRILLER:	2R Drilling	LOGGED BY:	GP
PROJECT NAME:	2020 East 1st Street	DRILL METHOD:	Hollow Stem	OPERATOR:	Nick/Victor
PROJECT NO.:	2881-CR	HAMMER:	140H/30"	RIG TYPE:	CME 75
LOCATION:	Santa Ana, CA			DATE:	9/14/2021

Depth (ft)	SAMPLES			USCS Symbol	Boring No.: B-2	Laboratory Testing		
	Sample Type	Blows/ 6 in	Sample Number			Water Content (%)	Dry Density (pcf)	Others
					MATERIAL DESCRIPTION AND COMMENTS			
0				CL	4 in. asphalt concrete / 9 in. base Younger Alluvial Fan: Silty CLAY, brown/black, slightly moist, stiff, trace gravel			
		6 6 8				13.2	110.3	
		4 4 5		ML	Clayey SILT, brown, slightly moist, medium stiff	16.7	101.9	Collapse
		4 4 5		SM	Silty f-c SAND, dark brown, slightly moist, loose, trace gravel	6.9	120.3	
10		4 6 7			Silty f-c SAND, light brown/gray, slightly moist, loose, trace gravel			
15		8 5 8		ML	F sandy SILT w/ trace clay, brown, slightly moist, medium stiff			
20		4 7 10			Same as above, stiff			
					BORING TERMINATED AT 21.5 FEET			
					No groundwater encountered Boring backfilled with spoils and patched with asphalt concrete			
25								
30								

LEGEND

Sample type:

---Ring

---SPT

---Small Bulk

---Large Bulk

---No Recovery

---Water Table

Lab testing:

AL = Atterberg Limits

SR = Sulfate/Resistivity Test

EI = Expansion Index

SH = Shear Test

SA = Sieve Analysis

HC= Consolidation

RV = R-Value Test

MD = Maximum Density

CLIENT:	Griffin Residential	DRILLER:	2R Drilling	LOGGED BY:	GP
PROJECT NAME:	2020 East 1st Street	DRILL METHOD:	Hollow Stem	OPERATOR:	Nick/Victor
PROJECT NO.:	2881-CR	HAMMER:	140H/30"	RIG TYPE:	CME 75
LOCATION:	Santa Ana, CA			DATE:	9/14/2021

Depth (ft)	SAMPLES			USCS Symbol	Boring No.: B-3	Laboratory Testing			
	Sample Type	Blows/ 6 in	Sample Number			Water Content (%)	Dry Density (pcf)	Others	
									MATERIAL DESCRIPTION AND COMMENTS
0				CL	5 in. asphalt concrete / 11 in. base Younger Alluvial Fan: Silty CLAY, brown/black, slightly moist, stiff				
		5					12.1	110.0	
		8							
		8							
		3			Clayey SILT, brown, slightly moist, medium stiff	22.1	97		
5		4							
		4							
		2		ML	F sandy SILT w/ trace clay, dark brown, slightly moist, soft	14.5	109.4	Collapse	
		2							
		3							
		7			F sandy SILT w/ trace clay, dark brown, slightly moist, very stiff, trace gravel	11.8	92.8		
		18							
		16							
10		8		SM	Silty f-c SAND, gray, slightly moist, loose, trace gravel				
		7							
		5							

CLIENT:	Griffin Residential	DRILLER:	2R Drilling	LOGGED BY:	GP
PROJECT NAME:	2020 East 1st Street	DRILL METHOD:	Hollow Stem	OPERATOR:	Nick/Victor
PROJECT NO.:	2881-CR	HAMMER:	140#/30"	RIG TYPE:	CME 75
LOCATION:	Santa Ana, CA			DATE:	9/14/2021

Depth (ft)	SAMPLES			USCS Symbol	Boring No.: B-4	Laboratory Testing		
	Sample Type	Blows / 6 in	Sample Number			Water Content (%)	Dry Density (pcf)	Others
0					3 in. asphalt concrete / 6 in. base Younger Alluvial Fan: Clayey SILT, dark brown, slightly moist, medium stiff, trace gravel	18.2	96.3	
		4 5 6		ML				
		3 4 3			Clayey SILT, dark brown, slightly moist, soft to medium stiff	23.8	89.5	
5		3 4 6		CL	F-c sandy CLAY, dark brown, slightly moist, medium stiff	17.9	103.7	Collapse
		3 3 5		ML	F sandy SILT w/ trace clay, brown/gray, slightly moist, medium stiff	11.6	112	
10		5 5 7			F sandy SILT w/ trace clay, brown/gray, slightly moist, medium stiff, trace gravel			
15		4 7 10		CL	Silty CLAY, dark brown, slightly moist, stiff			
20		7 13 17			Silty CLAY, dark brown, slightly moist, very stiff			
					BORING TERMINATED AT 21.5 FEET			
					No groundwater encountered Boring backfilled with spoils and patched with asphalt			
25								
30								

LEGEND

Sample type:

---Ring

---SPT

---Small Bulk

---Large Bulk

---No Recovery

---Water Table

Lab testing:

AL = Atterberg Limits

SR = Sulfate/Resistivity Test

EI = Expansion Index

SH = Shear Test

SA = Sieve Analysis

HC= Consolidation

RV = R-Value Test

MD = Maximum Density

GeoTek, Inc.
LOG OF EXPLORATORY BORING

CLIENT: Griffin Residential
PROJECT NAME: 2020 East 1st Street
PROJECT NO.: 2881-CR
LOCATION: Santa Ana, CA

DRILLER: 2R Drilling
DRILL METHOD: Hollow Stem
HAMMER: 140#/30"

LOGGED BY: GP
OPERATOR: Nick/Victor
RIG TYPE: CME 75
DATE: 9/13/2021

Depth (ft)	SAMPLES			USCS Symbol	Boring No.: B-5	Laboratory Testing		
	Sample Type	Blows/ 6 in	Sample Number			Water Content (%)	Dry Density (pcf)	Others
0				ML	2.5 asphalt concrete / 3.5 base Younger Alluvial Fan: Clayey SILT, dark brown, slightly moist, medium stiff	25.5	88.9	SR
5		4 5 5		CL	F sandy SILT w/ trace clay, brown/gray, slightly moist, medium stiff	8.5	98.2	
		4 5 7			F sandy SILT w/ trace clay, brown/gray, slightly moist, stiff	7.7	119.2	
		4 7 15		SM	Silty f-c SAND, brown/gray, slightly moist, medium dense, trace gravel	1.8		
10		7 11 11			Silty f-c SAND, brown/gray, slightly moist, medium dense, trace gravel			
		5 8 11						
15		7 11 17			Clayey SILT, brown, slightly moist, very stiff			
20		7 4 15			F-c sandy SILT w/ trace clay, yellow/brown, slightly moist, stiff			
25		4 10 7			F sandy SILT, gray/brown, slightly moist, very stiff			32% passing #200 sieve
30		4 6 10			Clayey SILT, yellow/brown, slightly moist, very stiff			

LEGEND	Sample type:	 ---Ring	 ---SPT	 ---Small Bulk	 ---Large Bulk	 ---No Recovery	 ---Water Table
	Lab testing:	AL = Atterberg Limits	SH = Shear Test	SA = Sieve Analysis	HC= Consolidation	RV = R-Value Test	MD = Maximum Density
		SR = Sulfate/Resistivity Test	EI = Expansion Index				

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits EI = Expansion Index SA = Sieve Analysis RV = R-Value Test
SR = Sulfate/Resistivity Test SH = Shear Test HC = Consolidation MD = Maximum Density

GeoTek, Inc.
LOG OF EXPLORATORY BORING

CLIENT: Griffin Residential
PROJECT NAME: 2020 East 1st Street
PROJECT NO.: 2881-CR
LOCATION: Santa Ana, CA

DRILLER: 2R Drilling
DRILL METHOD: Hollow Stem
HAMMER: 140#/30"

LOGGED BY: GP
OPERATOR: Nick/Victor
RIG TYPE: CME 75
DATE: 9/13/2021

Depth (ft)	SAMPLES			USCS Symbol	Boring No.: B-5 (continued)	Laboratory Testing		
	Sample Type	Blows/ 6 in	Sample Number			Water Content (%)	Dry Density (pcf)	Others
MATERIAL DESCRIPTION AND COMMENTS								
35	3 11 14		ML	F sandy SILT, gray/brown, slightly moist, very stiff				
40	2 4 7		CL	Silty CLAY, brown/gray, slightly moist, stiff, trace gravel				76% passing #200 sieve AL
45	17 16 24		SM	Silty f-c SAND, brown/gray, slightly moist, dense, trace gravel				13% passing # 200 sieve
50	3 4 6		ML	F sandy SILT, yellow/brown, slightly moist, stiff, trace gravel				
BORING TERMINATED AT 51.5 FEET								
				No groundwater encountered Boring backfilled with spoils and patched with asphalt concrete				
55								
60								

LEGEND	Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table							
	Lab testing: AL = Atterberg Limits EI = Expansion Index SA = Sieve Analysis RV = R-Value Test							
	SR = Sulfate/Resistivity Test SH = Shear Test HC= Consolidation MD = Maximum Density							

GeoTek, Inc.
LOG OF EXPLORATORY BORING

CLIENT: Griffin Residential
PROJECT NAME: 2020 East 1st Street
PROJECT NO.: 2881-CR
LOCATION: Santa Ana, CA

DRILLER: 2R Drilling
DRILL METHOD: Hollow Stem
HAMMER: 140#/30"

LOGGED BY: GP
OPERATOR: Nick/Victor
RIG TYPE: CME 75
DATE: 9/13/2021

Depth (ft)	SAMPLES			USCS Symbol	Boring No.: I-I MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing		
	Sample Type	Blows/ 6 in	Sample Number			Water Content (%)	Dry Density (pcf)	Others
0				CL	4 in. asphalt concrete / 9 in. base Younger Alluvial Fan: Silty CLAY, brown, slightly moist, trace gravel			
10								
20				ML	Becomes f sandy SILT, brown, slightly moist			
30								
40				SM	Becomes silty f-c SAND, dark brown, slightly moist, trace gravel			
50								
BORING TERMINATED AT 50 FEET								
60					No groundwater encountered Boring prepped with pipe, filter sock and gravel for infiltration testing			

LEGEND
Sample type:
 ---Ring
 ---SPT
 ---Small Bulk
 ---Large Bulk
 ---No Recovery
 ---Water Table

Lab testing:
AL = Atterberg Limits
EI = Expansion Index
SA = Sieve Analysis
RV = R-Value Test
SR = Sulfate/Resistivity Test
SH = Shear Test
HC= Consolidation
MD = Maximum Density

GeoTek, Inc.
LOG OF EXPLORATORY BORING

CLIENT: Griffin Residential
PROJECT NAME: 2020 East 1st Street
PROJECT NO.: 2881-CR
LOCATION: Santa Ana, CA

DRILLER: 2R Drilling
DRILL METHOD: Hollow Stem
HAMMER: 140#/30"

LOGGED BY: GP
OPERATOR: Nick/Victor
RIG TYPE: CME 75
DATE: 9/13/2021

Depth (ft)	SAMPLES			USCS Symbol	Boring No.: I-2 MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing		
	Sample Type	Blows / 6 in	Sample Number			Water Content (%)	Dry Density (pcf)	Others
0				CL	5 in. asphalt concrete / 11 in. base Younger Alluvial Fan: Clayey SILT, brown/black, slightly moist, trace gravel			
10								
20								
30								
40				ML	Becomes f-c sandy SILT, brown, slightly moist			
50								
BORING TERMINATED AT 50 FEET								
60					No groundwater encountered Boring prepped with pipe, filter sock and gravel for infiltration testing			

LEGEND	Sample type:		---Ring		---SPT		---Small Bulk		---Large Bulk		---No Recovery		---Water Table
	Lab testing:	AL = Atterberg Limits	SR = Sulfate/Resistivity Test	EI = Expansion Index	SH = Shear Test	SA = Sieve Analysis	HC = Consolidation	RV = R-Value Test	MD = Maximum Density				

GeoTek, Inc.
LOG OF EXPLORATORY BORING

CLIENT: Griffin Residential
PROJECT NAME: 2020 East 1st Street
PROJECT NO.: 2881-CR
LOCATION: Santa Ana, CA

DRILLER: 2R Drilling
DRILL METHOD: Hollow Stem
HAMMER: 140#/30"

LOGGED BY: GP
OPERATOR: Nick/Victor
RIG TYPE: CME 75
DATE: 9/13/2021

Depth (ft)	SAMPLES			USCS Symbol	Boring No.: I-3	Laboratory Testing		
	Sample Type	Blows / 6 in	Sample Number			Water Content (%)	Dry Density (pcf)	Others
0					3 in. asphalt concrete / 6 in. base			
				ML	Younger Alluvial Fan: Clayey SILT, dark brown, slightly moist, trace gravel			
10								
20					Becomes light brown			
30								
40				ML	Becomes f-c sandy SILT, brown, slightly moist			
50					BORING TERMINATED AT 50 FEET			
					No groundwater encountered Boring prepped with pipe, filter sock and gravel for infiltration testing			
60								

LEGEND	Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table							
	Lab testing: AL = Atterberg Limits EI = Expansion Index SA = Sieve Analysis RV = R-Value Test SR = Sulfate/Resistivity Test SH = Shear Test HC = Consolidation MD = Maximum Density							

GeoTek, Inc.
LOG OF EXPLORATORY BORING

CLIENT: Griffin Residential
PROJECT NAME: 2020 East 1st Street
PROJECT NO.: 2881-CR
LOCATION: Santa Ana, CA

DRILLER: 2R Drilling
DRILL METHOD: Hollow Stem
HAMMER: 140#/30"

LOGGED BY: GP
OPERATOR: Nick/Victor
RIG TYPE: CME 75
DATE: 9/13/2021

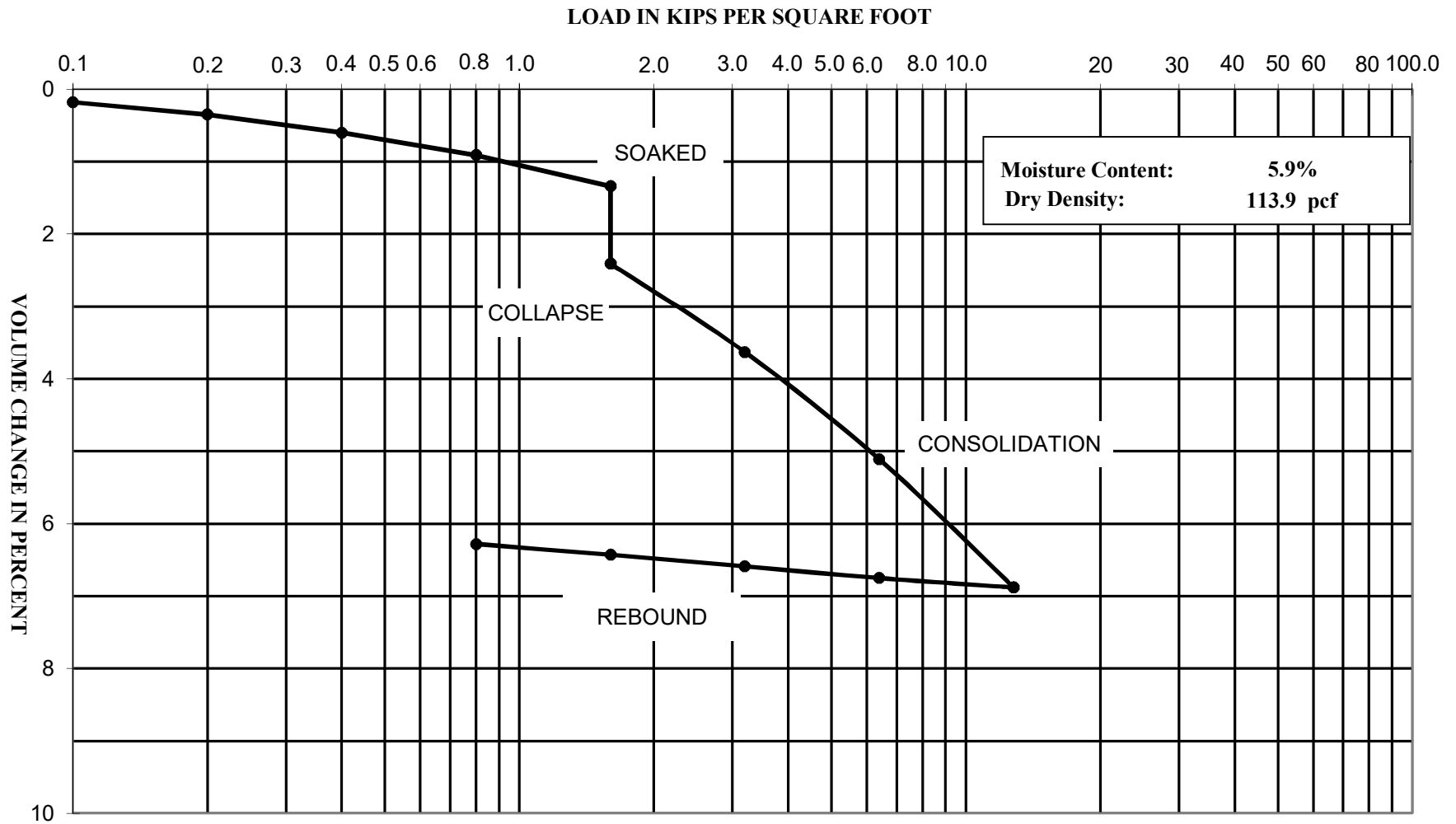
Depth (ft)	SAMPLES			USCS Symbol	Boring No.: I-4 MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing		
	Sample Type	Blows / 6 in	Sample Number			Water Content (%)	Dry Density (pcf)	Others
0				ML	2.5 asphalt concrete / 3.5 base Younger Alluvial Fan: Clayey SILT, dark brown, slightly moist, medium stiff			
10								
20					Becomes f-c sandy silt, yellow/brown, slightly moist			
30								
40					Becomes silty f-c SAND, dark brown, slightly moist, trace gravel			
50					BORING TERMINATED AT 50 FEET			
60					No groundwater encountered Boring prepped with pipe, filter sock and gravel for infiltration testing			

LEGEND	Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table							
	Lab testing: AL = Atterberg Limits EI = Expansion Index SA = Sieve Analysis RV = R-Value Test SR = Sulfate/Resistivity Test SH = Shear Test HC = Consolidation MD = Maximum Density							

Appendix C

Laboratory Test Results
by Salem Engineering
Group (2023)

CONSOLIDATION - PRESSURE TEST DATA ASTM D2435



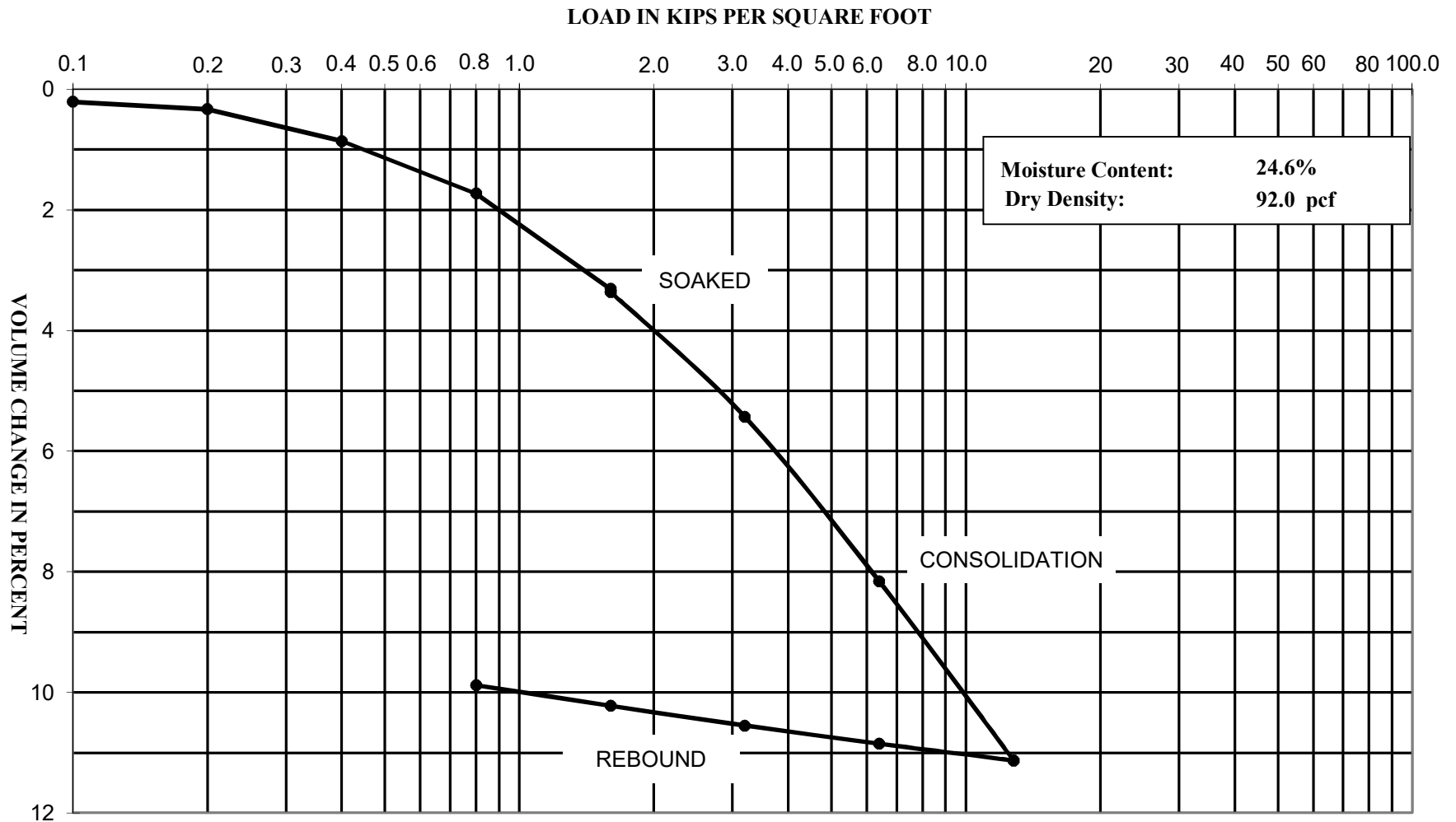
Project Name: Proposed Industrial Storage Facility - Santa Ana, CA

Project Number: 3-223-0252

Boring: B-1 @ 2'

CONSOLIDATION - PRESSURE TEST DATA

ASTM D2435



Project Name: Proposed Industrial Storage Facility - Santa Ana, CA

Project Number: 3-223-0252

Boring: B-2 @ 5'



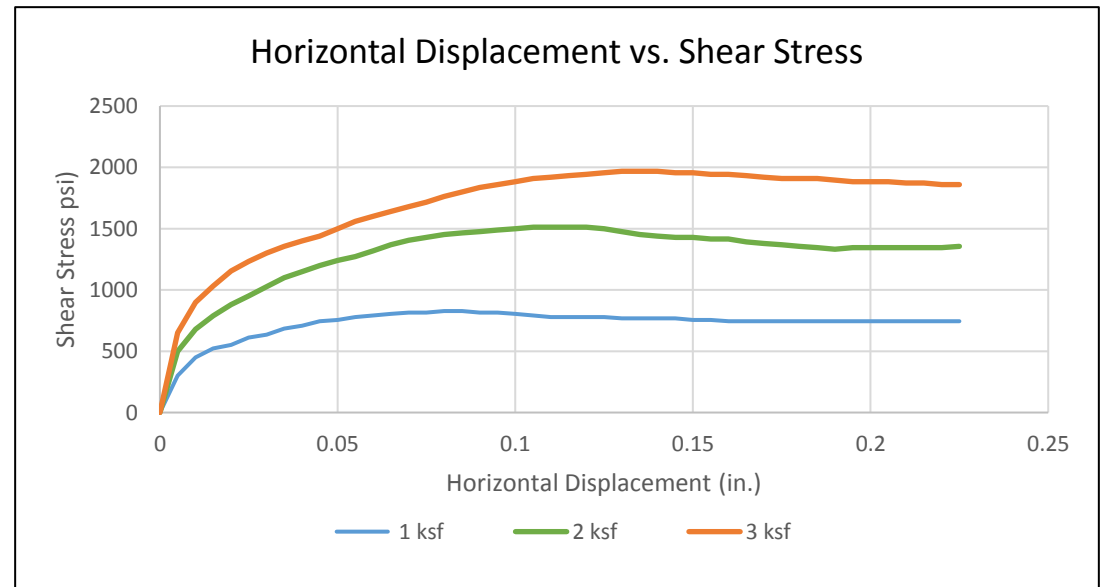
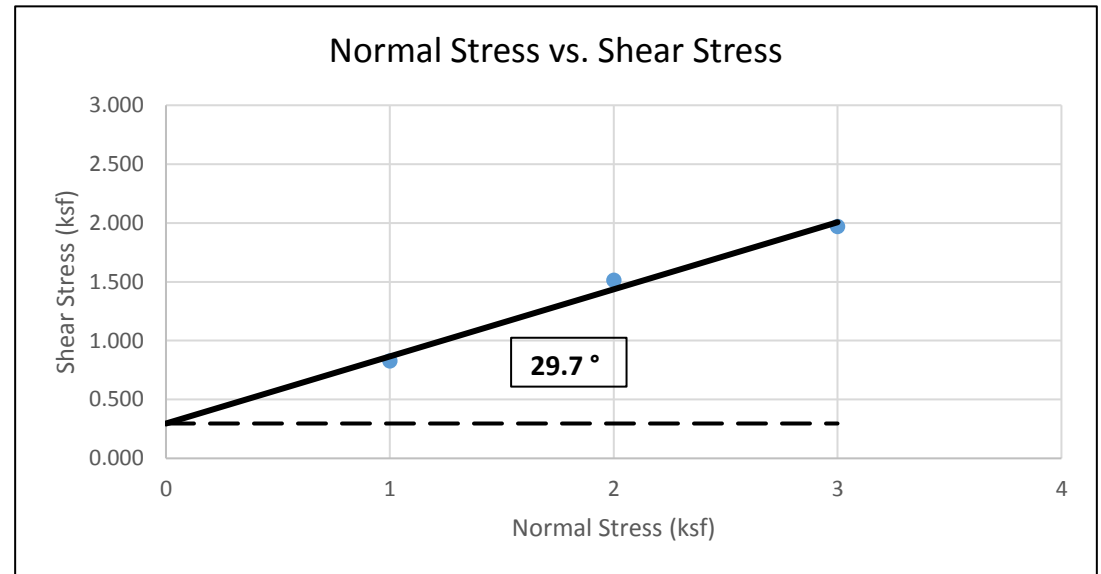
Direct Shear Test (ASTM D3080)

Project Name: Proposed Industrial Storage Facility - Santa Ana, CA
 Project Number: 3-223-0252
 Client: Harbor Associates
 Sample Location: B-1 @ 5'
 Sample Type: Undisturbed Ring
 Soil Classification: SILT with Sand (ML)
 Tested By: M. Noorzay
 Reviewed By: CJ
 Date: 4/5/2023
 Equipment Used: Geomatic Direct Shear Machine

	Sample 1	Sample 2	Sample 3
Normal Stress (ksf)	1.000	2.000	3.000
Shear Rate (in/min)	0.002		
Peak Shear Stress (ksf)	0.828	1.512	1.968
Residual Shear Stress (ksf)	0.000	0.000	0.000

Initial Height of Sample (in)	1.000	1.000	1.000
Height of Sample before Shear (in.)	1	1	1
Diameter of Sample (in)	2.416	2.416	2.416
Initial Moisture Content (%)	19.4		
Final Moisture Content (%)	25.7	23.4	23.2
Dry Density (pcf)	99.9	100.4	99.7

Peak Shear Strength Values	
Slope	0.57
Friction Angle	29.7
Cohesion (psf)	296



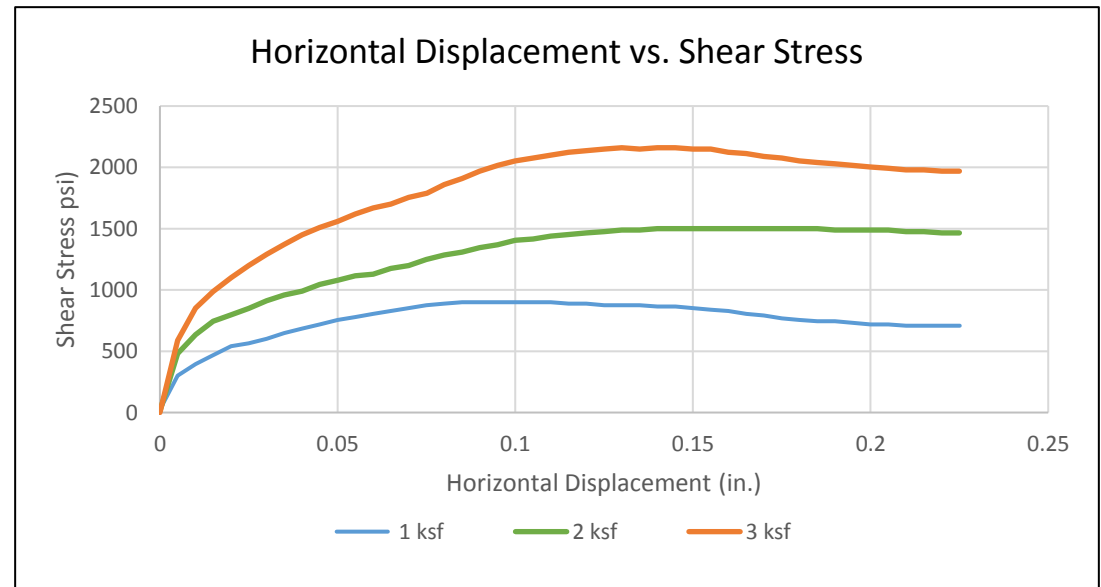
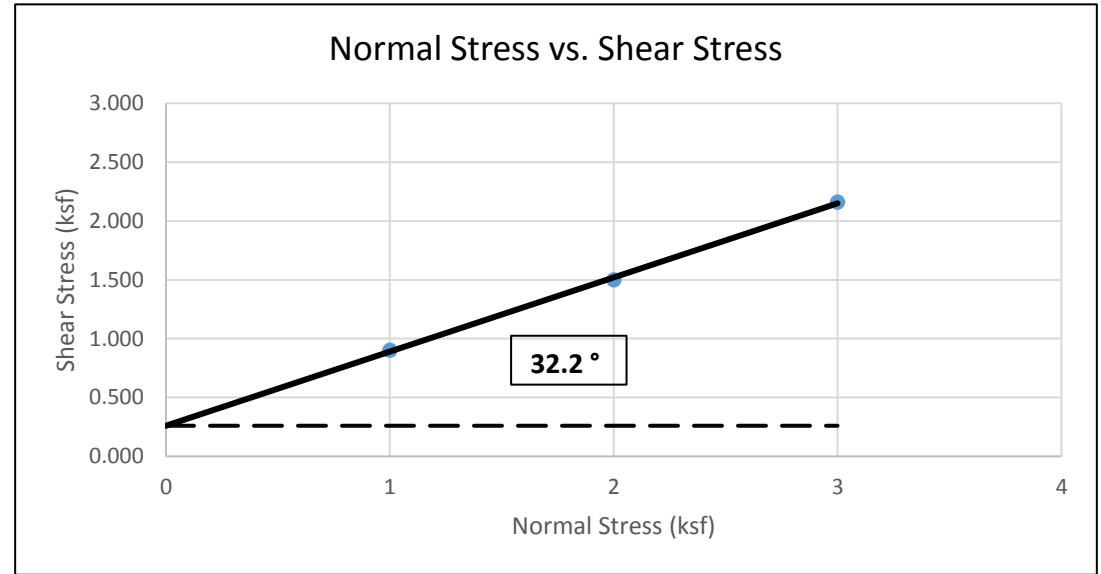
Direct Shear Test (ASTM D3080)

Project Name: Proposed Industrial Storage Facility - Santa Ana, CA
 Project Number: 3-223-0252
 Client: Harbor Associates
 Sample Location: B-2 @ 2'
 Sample Type: Undisturbed Ring
 Soil Classification: Silty SAND (SM)
 Tested By: M. Noorzay
 Reviewed By: CJ
 Date: 4/7/2023
 Equipment Used: Geomatic Direct Shear Machine

	Sample 1	Sample 2	Sample 3
Normal Stress (ksf)	1.000	2.000	3.000
Shear Rate (in/min)	0.004		
Peak Shear Stress (ksf)	0.900	1.500	2.160
Residual Shear Stress (ksf)	0.000	0.000	0.000

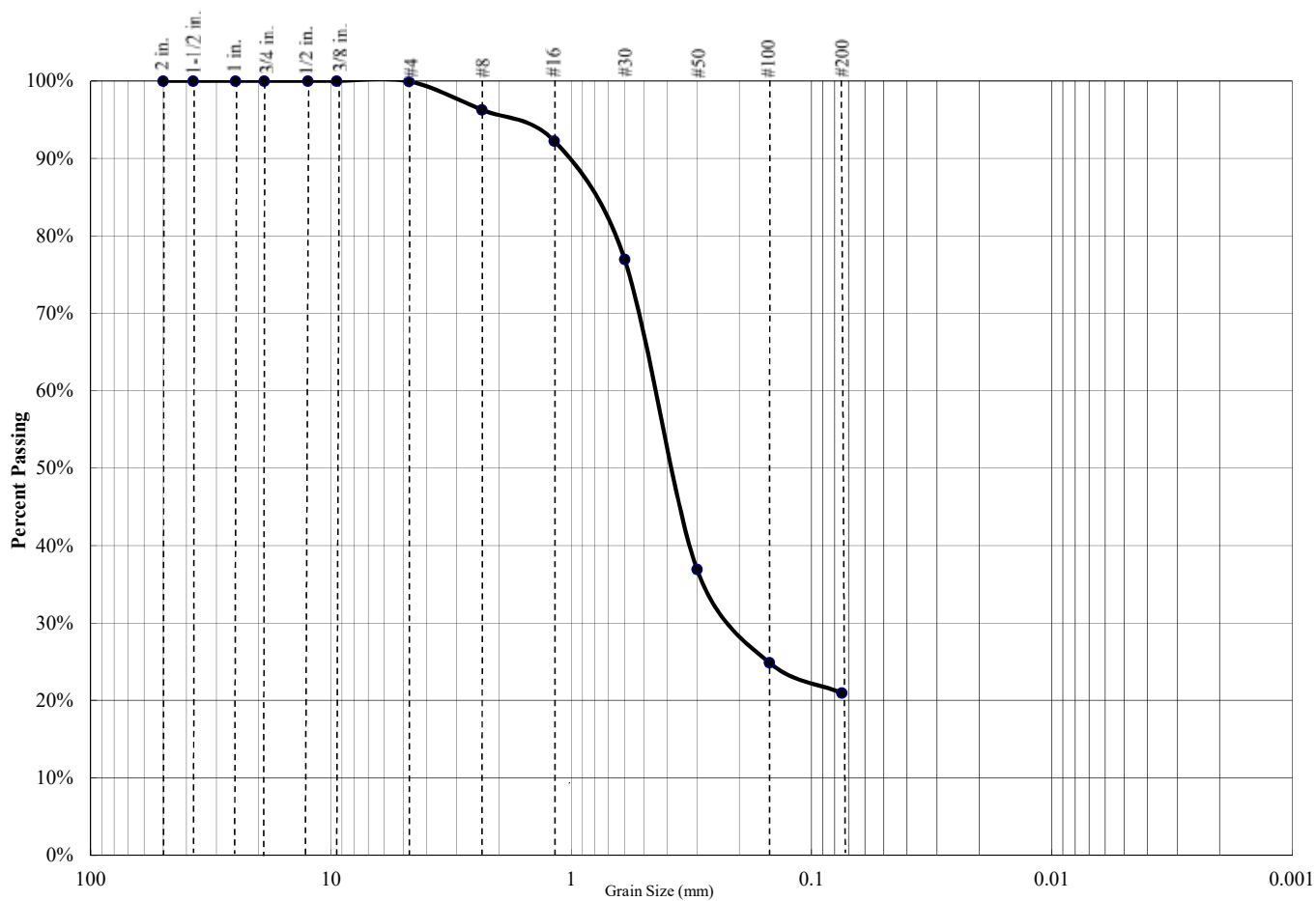
Initial Height of Sample (in)	1.000	1.000	1.000
Height of Sample before Shear (in.)	1	1	1
Diameter of Sample (in)	2.416	2.416	2.416
Initial Moisture Content (%)	12.3		
Final Moisture Content (%)	18.3	18.0	17.1
Dry Density (pcf)	111.0	111.2	110.7

Peak Shear Strength Values	
Slope	0.63
Friction Angle	32.2
Cohesion (psf)	260



PARTICLE SIZE DISTRIBUTION DIAGRAM

GRADATION TEST - ASTM C136



Percent Gravel	Percent Sand	Percent Silt/Clay
0%	79%	21%

Sieve Size	Percent Passing
3/4 inch	100.0%
1/2 inch	100.0%
3/8 inch	100.0%
#4	100.0%
#8	96.3%
#16	92.3%
#30	77.0%
#50	36.9%
#100	24.9%
#200	21.0%

Atterberg Limits		
PL=	LL=	PI=

Coefficients		
D85=	D60=	D50=
D30=	D15=	D10=
C _u =	N/A	C _c = N/A

USCS CLASSIFICATION
Silty SAND (SM)

Project Name: Proposed Industrial Storage Facility - Santa Ana, CA

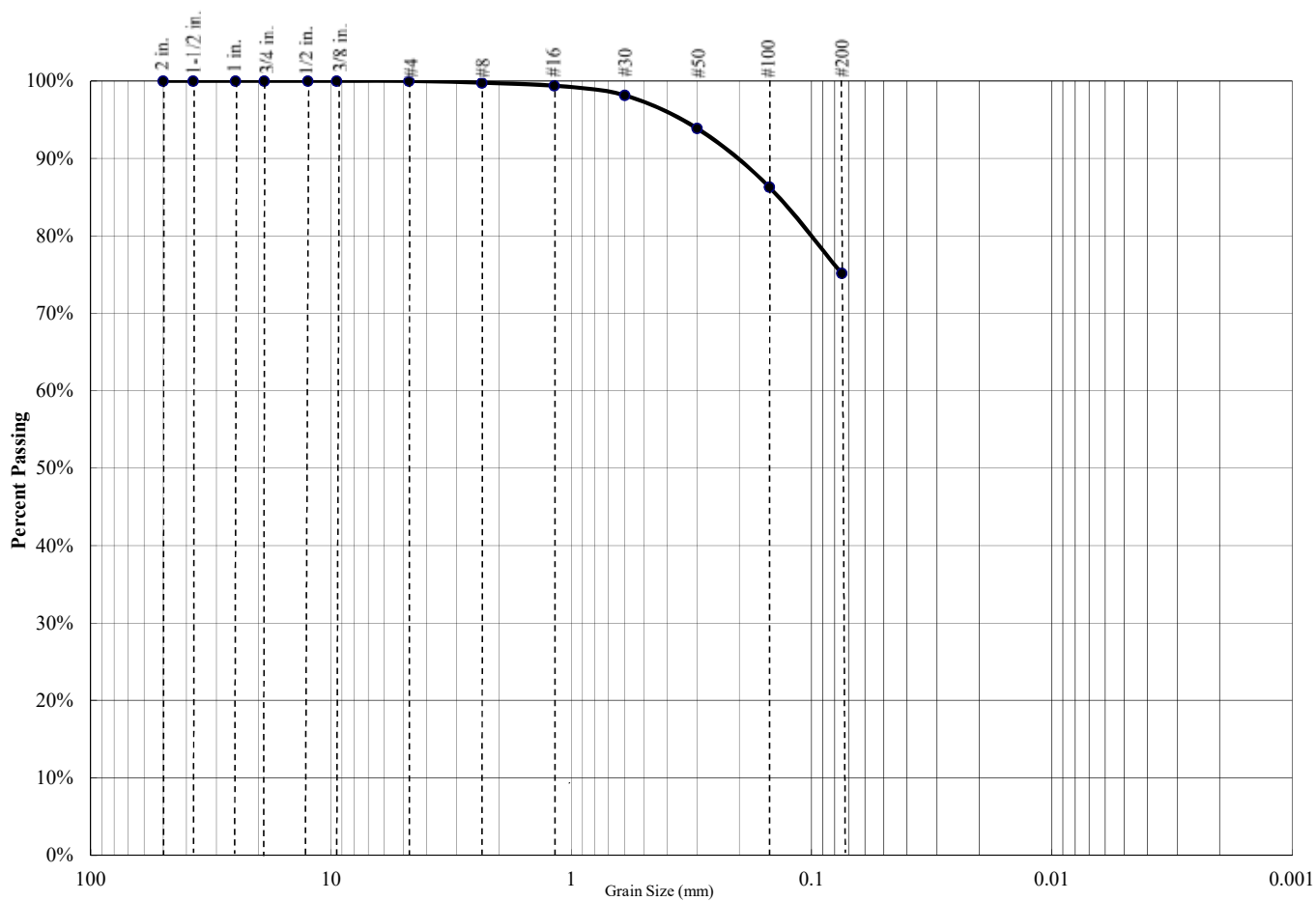
Project Number: 3-223-0252

Boring: B-1 @ 2'



PARTICLE SIZE DISTRIBUTION DIAGRAM

GRADATION TEST - ASTM C136



Percent Gravel	Percent Sand	Percent Silt/Clay
0%	25%	75%

Sieve Size	Percent Passing
3/4 inch	100.0%
1/2 inch	100.0%
3/8 inch	100.0%
#4	100.0%
#8	99.8%
#16	99.4%
#30	98.1%
#50	93.9%
#100	86.3%
#200	75.2%

Atterberg Limits		
PL=	LL=	PI=

Coefficients		
D85=	D60=	D50=
D30=	D15=	D10=
C _u =	N/A	C _c = N/A

USCS CLASSIFICATION
SILT with Sand (ML)

Project Name: Proposed Industrial Storage Facility - Santa Ana, CA

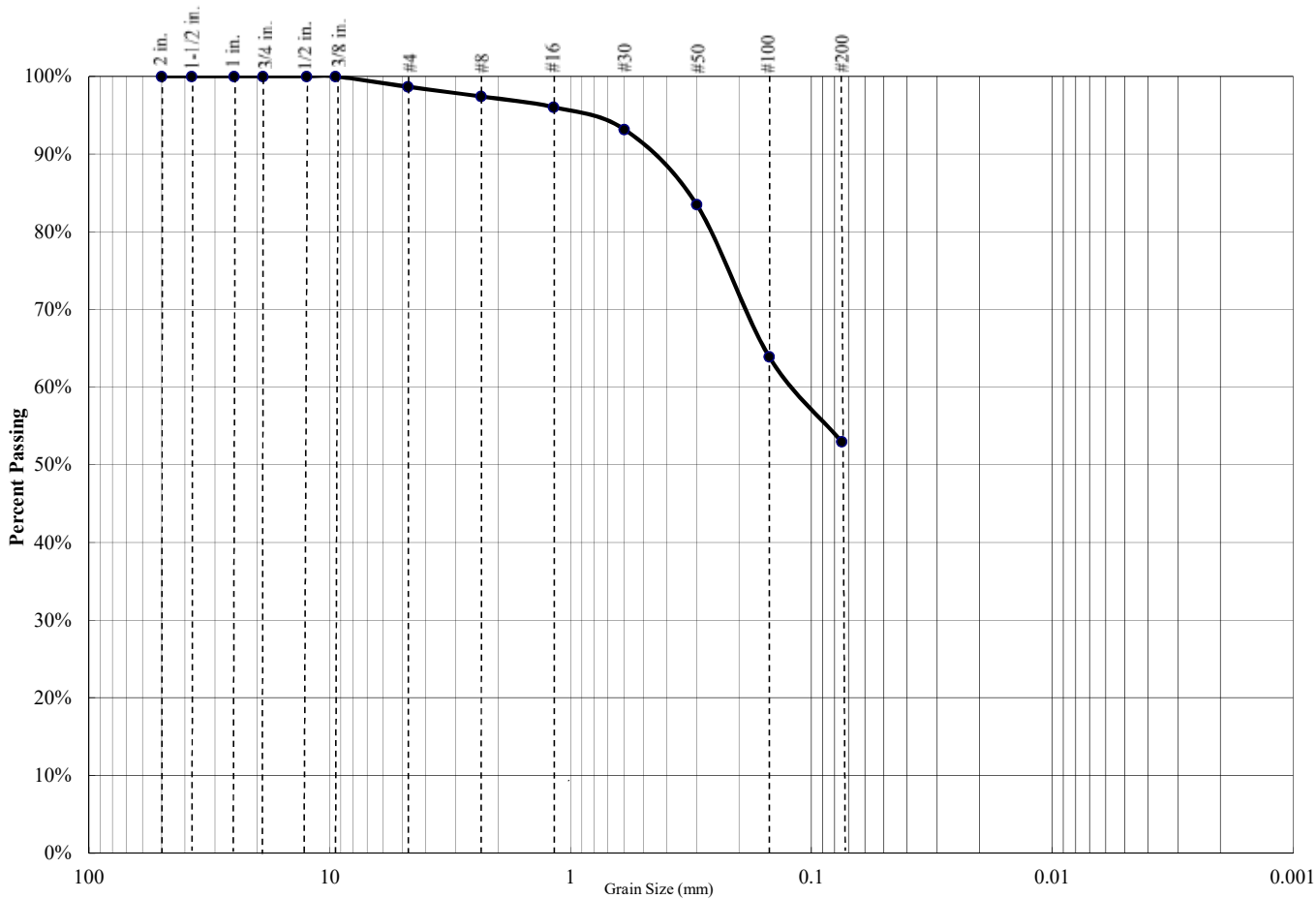
Project Number: 3-223-0252

Boring: B-1 @ 5'



PARTICLE SIZE DISTRIBUTION DIAGRAM

GRADATION TEST - ASTM C136



Percent Gravel	Percent Sand	Percent Silt/Clay
1%	46%	53%

Sieve Size	Percent Passing
3/4 inch	100.0%
1/2 inch	100.0%
3/8 inch	100.0%
#4	98.7%
#8	97.4%
#16	96.0%
#30	93.2%
#50	83.5%
#100	63.9%
#200	53.0%

Atterberg Limits		
PL=	LL=	PI=

Coefficients		
D85=	D60=	D50=
D30=	D15=	D10=
C _u =	N/A	C _c = N/A

USCS CLASSIFICATION
Sandy CLAY (CL)

Project Name: Proposed Industrial Storage Facility - Santa Ana, CA

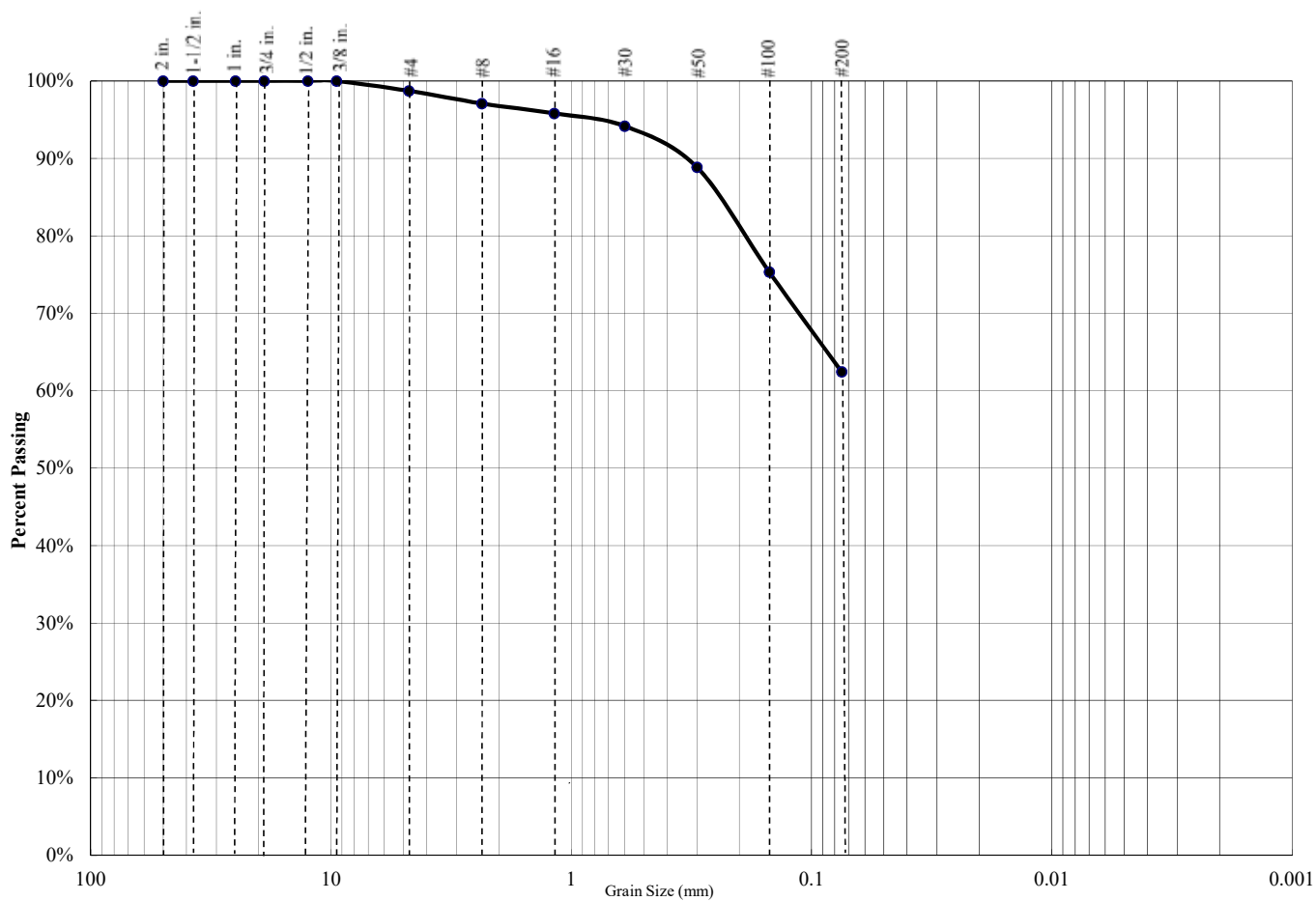
Project Number: 3-223-0252

Boring: B-1 @ 10'



PARTICLE SIZE DISTRIBUTION DIAGRAM

GRADATION TEST - ASTM C136



Percent Gravel	Percent Sand	Percent Silt/Clay
1%	36%	62%

Sieve Size	Percent Passing
3/4 inch	100.0%
1/2 inch	100.0%
3/8 inch	100.0%
#4	98.7%
#8	97.1%
#16	95.8%
#30	94.2%
#50	88.8%
#100	75.3%
#200	62.4%

Atterberg Limits		
PL=	LL=	PI=

Coefficients		
D85=	D60=	D50=
D30=	D15=	D10=
C _u =	N/A	C _c = N/A

USCS CLASSIFICATION
Sandy SILT (ML)

Project Name: Proposed Industrial Storage Facility - Santa Ana, CA

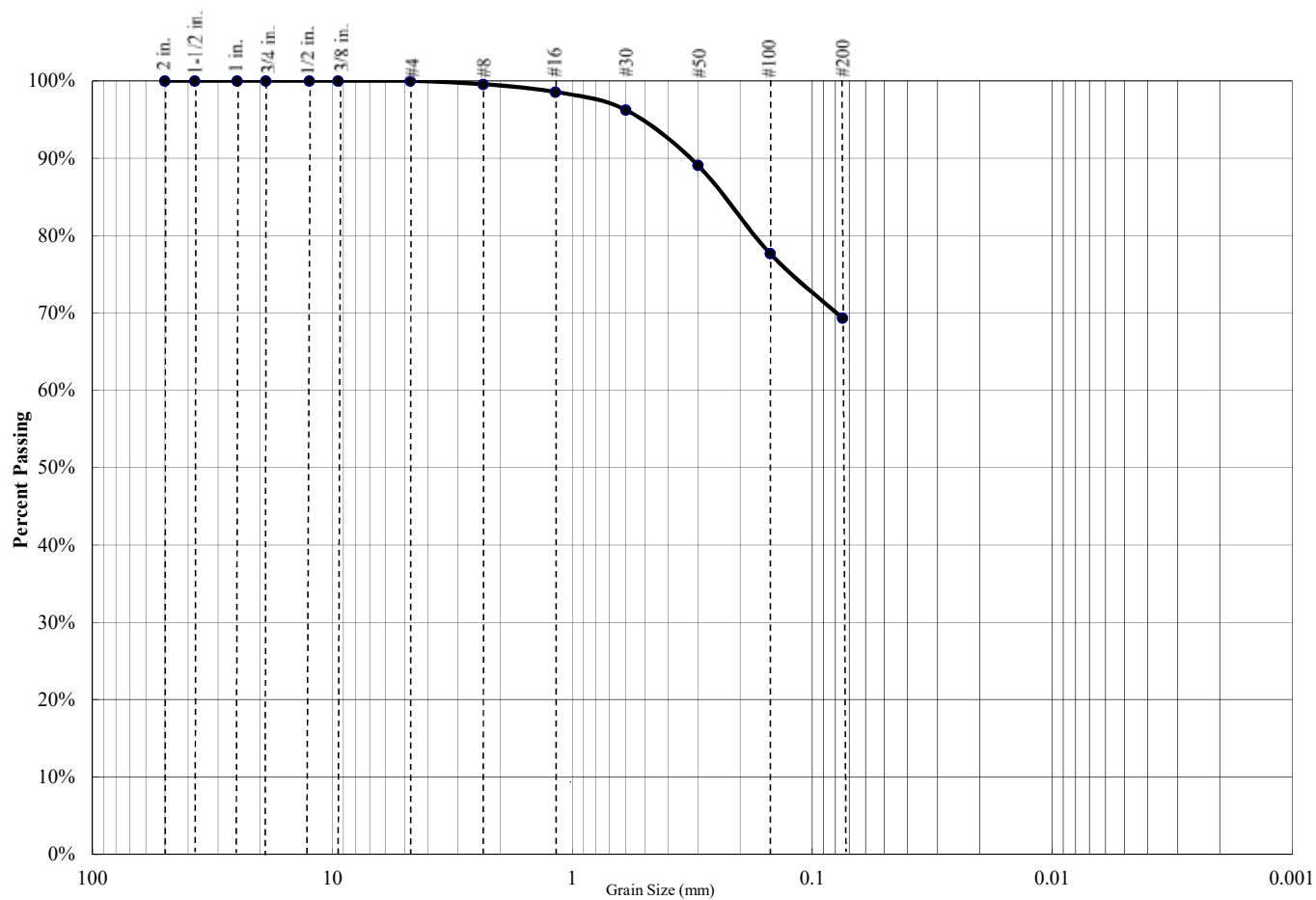
Project Number: 3-223-0252

Boring: B-1 @ 25'



PARTICLE SIZE DISTRIBUTION DIAGRAM

GRADATION TEST - ASTM C136



Percent Gravel	Percent Sand	Percent Silt/Clay
0%	31%	69%

Sieve Size	Percent Passing
3/4 inch	100.0%
1/2 inch	100.0%
3/8 inch	100.0%
#4	100.0%
#8	99.6%
#16	98.6%
#30	96.2%
#50	89.1%
#100	77.7%
#200	69.3%

Atterberg Limits		
PL=	LL=	PI=

Coefficients		
D85=	D60=	D50=
D30=	D15=	D10=
C _u =	N/A	C _c = N/A

USCS CLASSIFICATION
Sandy CLAY (CL)

Project Name: Proposed Industrial Storage Facility - Santa Ana, CA

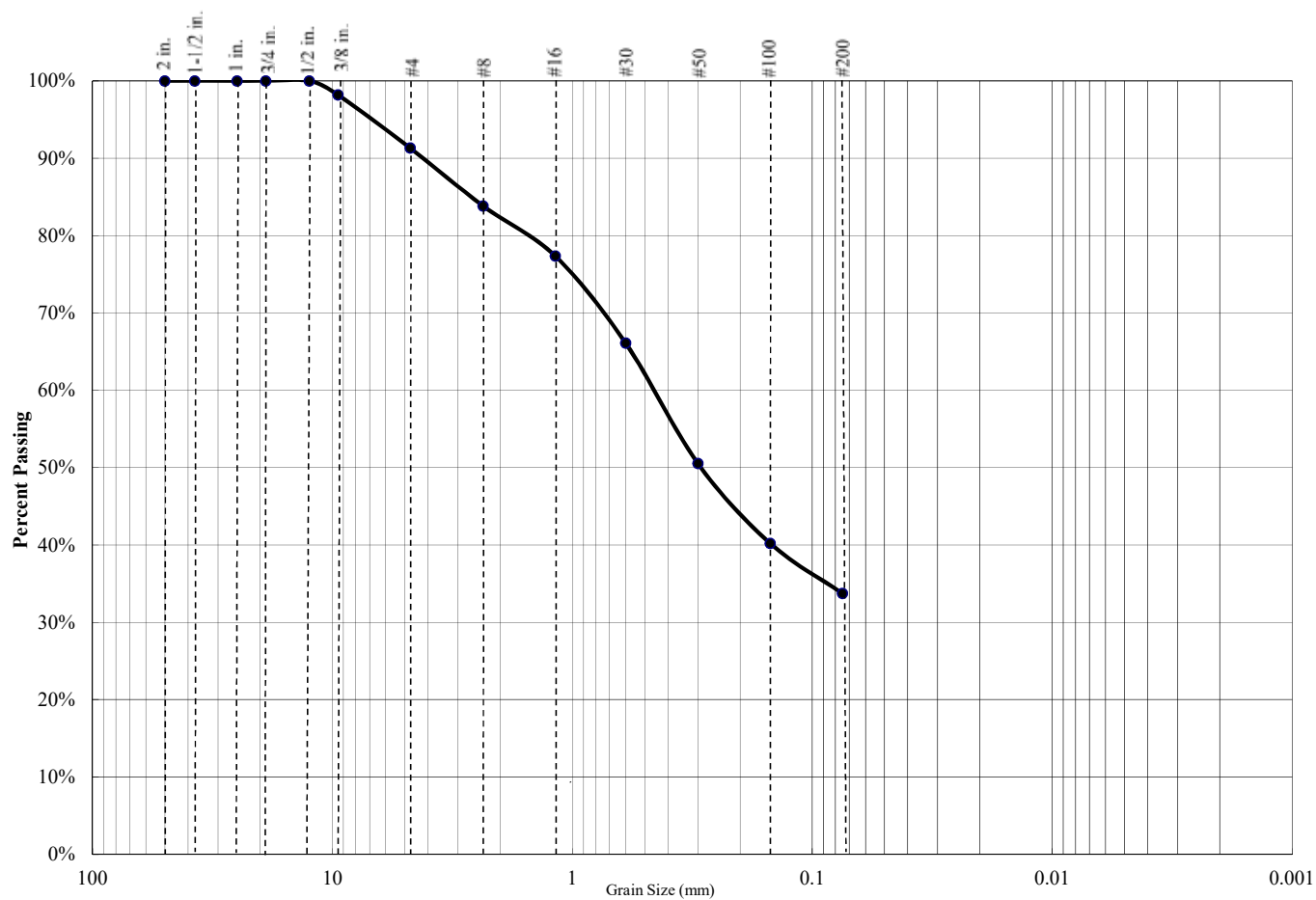
Project Number: 3-223-0252

Boring: B-1 @ 35'



PARTICLE SIZE DISTRIBUTION DIAGRAM

GRADATION TEST - ASTM C136



Percent Gravel	Percent Sand	Percent Silt/Clay
9%	58%	34%

Sieve Size	Percent Passing
3/4 inch	100.0%
1/2 inch	100.0%
3/8 inch	98.2%
#4	91.3%
#8	83.8%
#16	77.4%
#30	66.1%
#50	50.5%
#100	40.2%
#200	33.7%

Atterberg Limits		
PL=	LL=	PI=

Coefficients		
D85=	D60=	D50=
D30=	D15=	D10=
C _u =	N/A	C _c = N/A

USCS CLASSIFICATION
Silty SAND (SM)

Project Name: Proposed Industrial Storage Facility - Santa Ana, CA

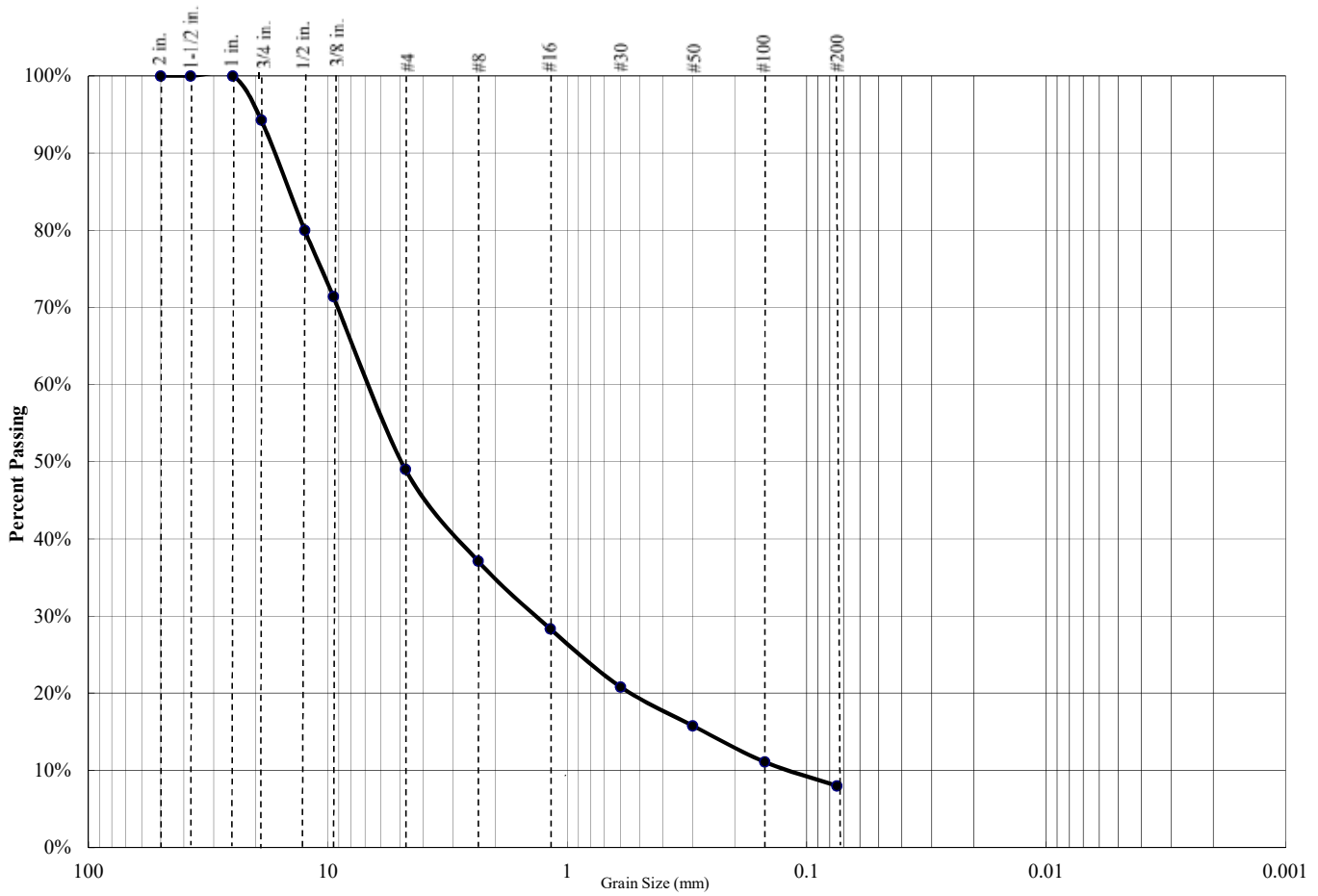
Project Number: 3-223-0252

Boring: B-1 @ 40'



PARTICLE SIZE DISTRIBUTION DIAGRAM

GRADATION TEST - ASTM C136



Percent Gravel	Percent Sand	Percent Silt/Clay
51%	41%	8%

Sieve Size	Percent Passing
3/4 inch	94.3%
1/2 inch	80.0%
3/8 inch	71.4%
#4	49.0%
#8	37.1%
#16	28.3%
#30	20.8%
#50	15.8%
#100	11.1%
#200	8.0%

Atterberg Limits		
PL=	LL=	PI=

Coefficients			
D85=	D60=	7.0	D50=
D30=	1.5	D15=	D10= 0.125
C _u =	56.00	C _c =	2.57

USCS CLASSIFICATION
Sandy GRAVEL with Silt (GW-GM)

Project Name: Proposed Industrial Storage Facility - Santa Ana, CA

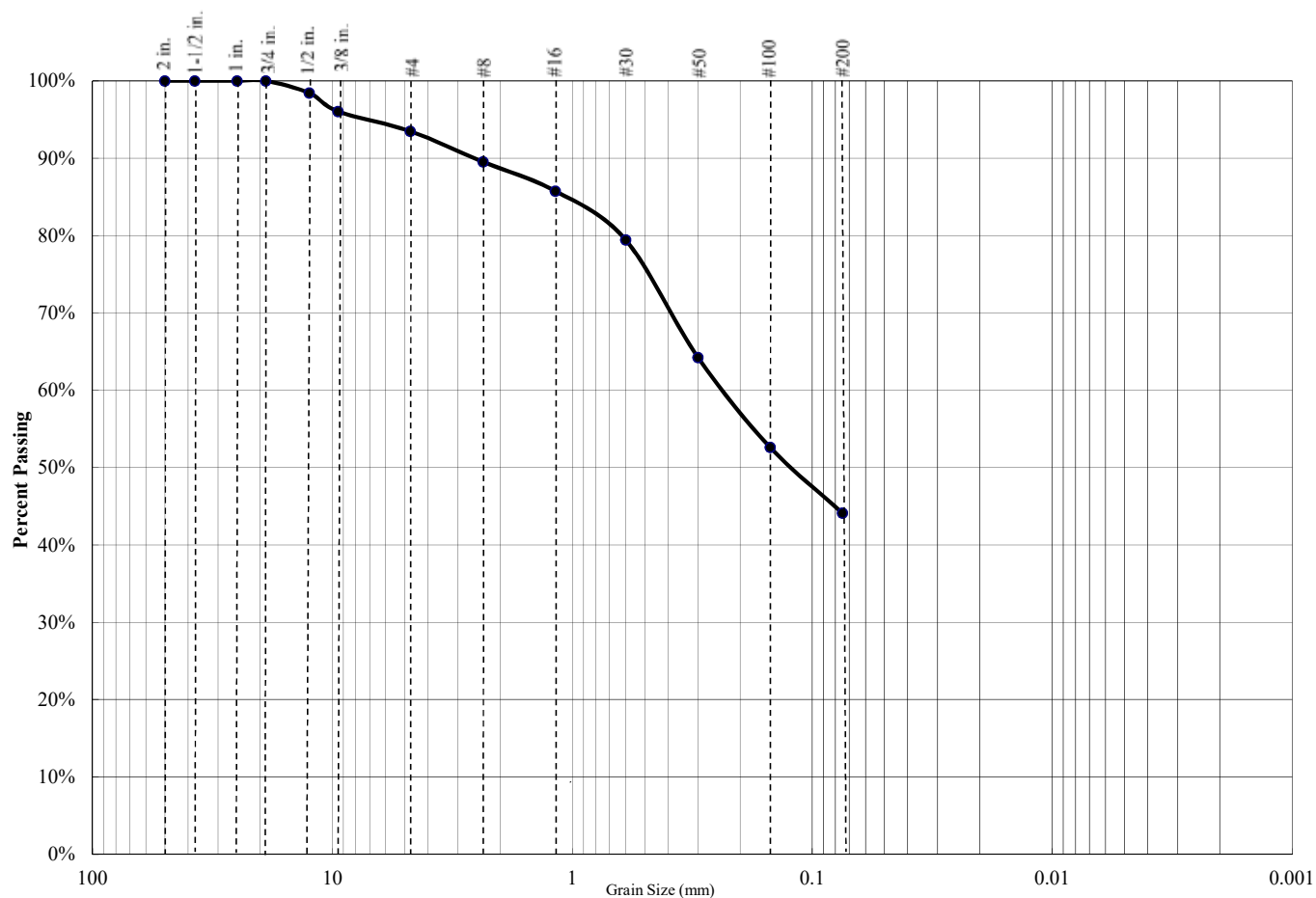
Project Number: 3-223-0252

Boring: B-1 @ 50'



PARTICLE SIZE DISTRIBUTION DIAGRAM

GRADATION TEST - ASTM C136



Percent Gravel	Percent Sand	Percent Silt/Clay
7%	49%	44%

Sieve Size	Percent Passing
3/4 inch	100.0%
1/2 inch	98.4%
3/8 inch	96.0%
#4	93.5%
#8	89.5%
#16	85.8%
#30	79.4%
#50	64.3%
#100	52.6%
#200	44.1%

Atterberg Limits		
PL=	LL=	PI=

Coefficients		
D85=	D60=	D50=
D30=	D15=	D10=
C _u =	N/A	C _c = N/A

USCS CLASSIFICATION
Silty SAND (SM)

Project Name: Proposed Industrial Storage Facility - Santa Ana, CA

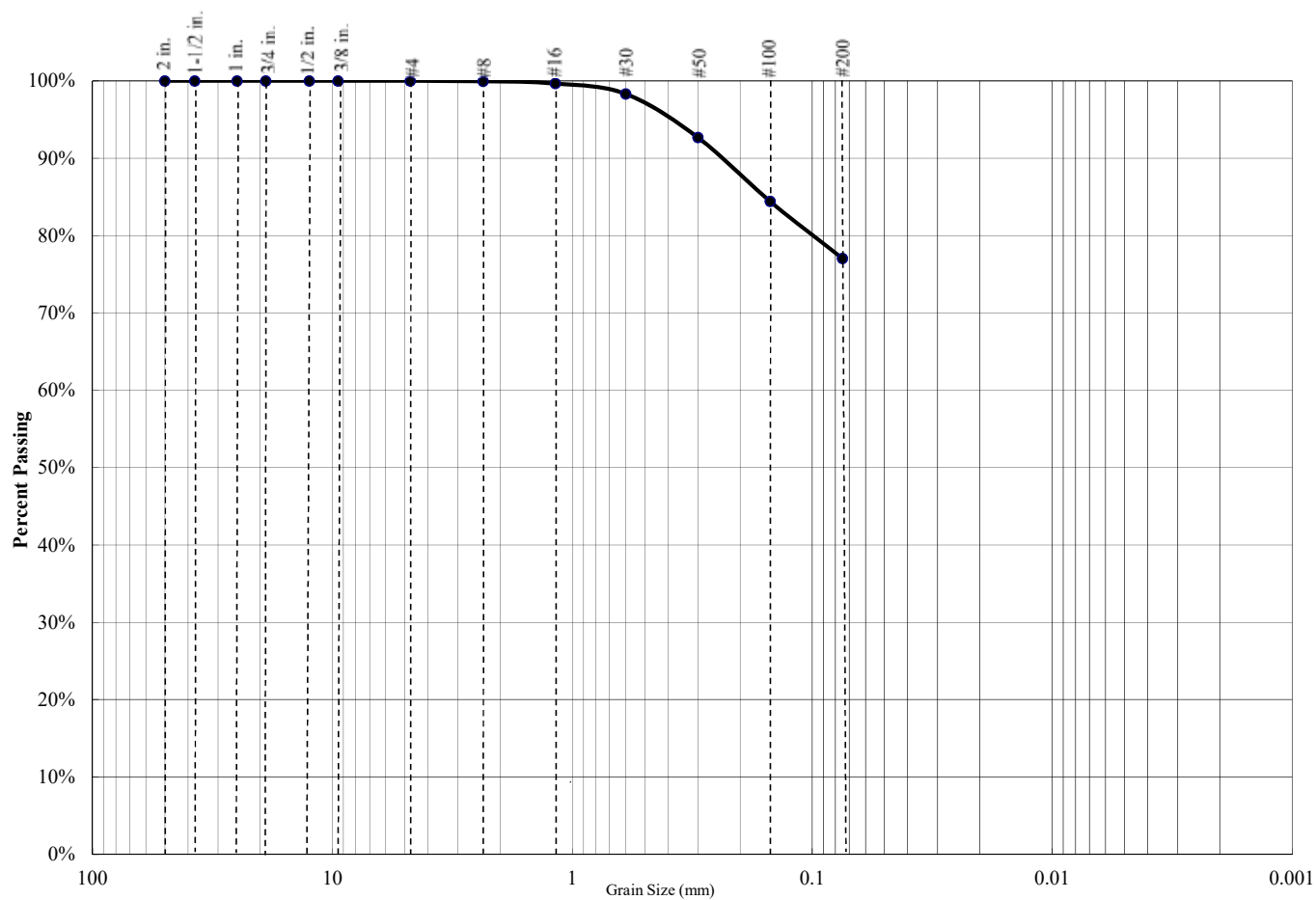
Project Number: 3-223-0252

Boring: B-2 @ 2'



PARTICLE SIZE DISTRIBUTION DIAGRAM

GRADATION TEST - ASTM C136



Percent Gravel	Percent Sand	Percent Silt/Clay
0%	23%	77%

Sieve Size	Percent Passing
3/4 inch	100.0%
1/2 inch	100.0%
3/8 inch	100.0%
#4	100.0%
#8	100.0%
#16	99.7%
#30	92.7%
#50	84.4%
#100	77.1%
#200	77.1%

Atterberg Limits		
PL=	LL=	PI=

Coefficients		
D85=	D60=	D50=
D30=	D15=	D10=
C _u =	N/A	C _c = N/A

USCS CLASSIFICATION
SILT with Sand (ML)

Project Name: Proposed Industrial Storage Facility - Santa Ana, CA

Project Number: 3-223-0252

Boring: B-2 @ 5'



EXPANSION INDEX TEST

ASTM D4829

Project Name: Proposed Industrial Storage Facility - Santa Ana, CA

Project Number: 3-223-0252

Date Sampled: 3/29/2023

Date Tested: 4/7/2023

Sampled By: CC

Tested By: M. Noorzay

Sample Location: B-1 @ 1'-4'

Soil Description: Brown Silty SAND (SM) w/trace Clay and Gravel

Trial #	1	2	3
Weight of Soil & Mold, g.	777.4		
Weight of Mold, g.	367.8		
Weight of Soil, g.	409.6		
Wet Density, pcf	123.5		
Weight of Moisture Sample (Wet), g.	200.0		
Weight of Moisture Sample (Dry), g.	183.9		
Moisture Content, %	8.8		
Dry Density, pcf	113.6		
Specific Gravity of Soil	2.7		
Degree of Saturation, %	48.9		

Time	Initial	30 min	1 hr	6 hrs	12 hrs	24 hrs
Dial Reading	0	0.005	0.01	--	--	0.01

Expansion Index_{measured} = 10

Expansion Index₅₀ = 9.5

Expansion Index = 10

Expansion Potential Table	
Exp. Index	Potential Exp.
0 - 20	Very Low
21 - 50	Low
51 - 90	Medium
91 - 130	High
>130	Very High

Atterberg Limits Determination

ASTM D4318

Project Name: Proposed Industrial Storage Facility - Santa Ana, CA

Project Number: 3-223-0252

Date Sampled: 3/29/2023

Date Tested: 4/10/2023

Sampled By: CC

Tested By: M. Noorzay

Sample Location: B-1 @ 15'

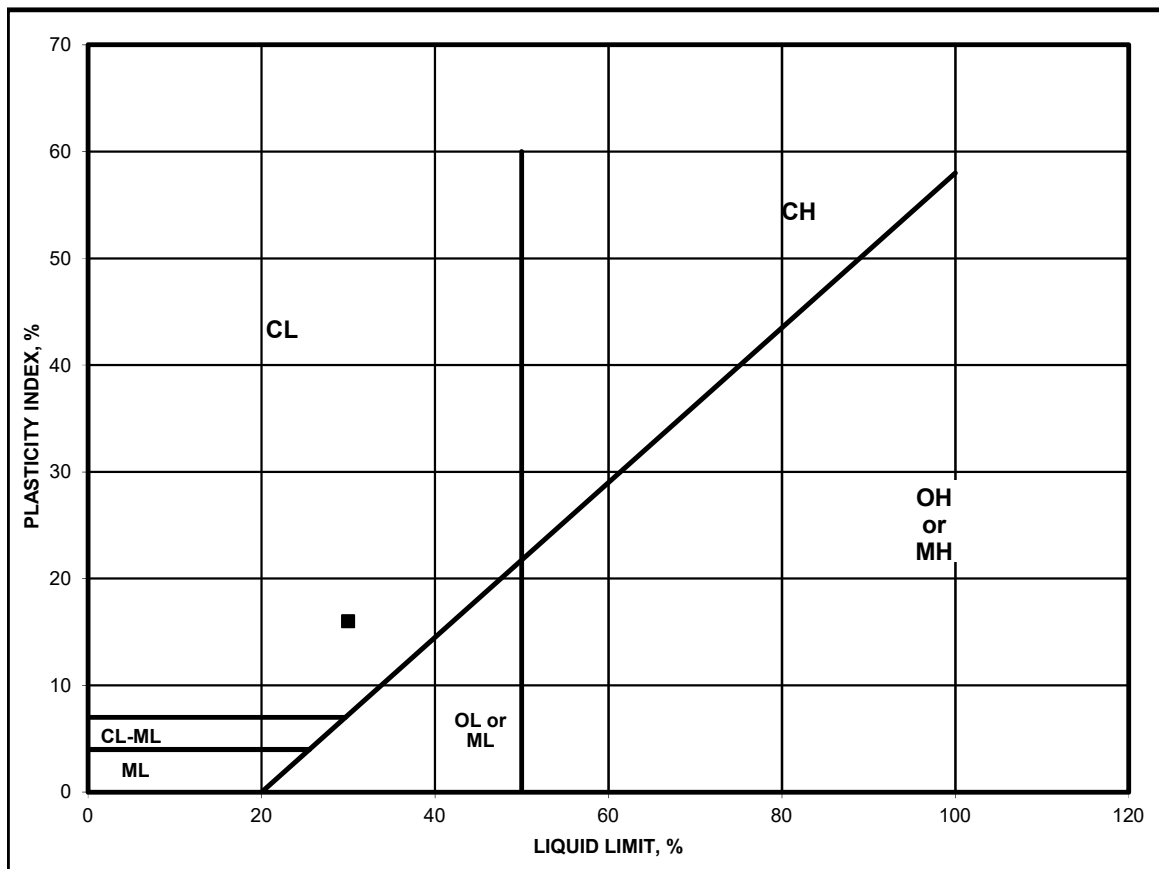
Run Number	Plastic Limit			Liquid Limit		
	1	2	3	1	2	3
Weight of Wet Soil & Tare	31.56	31.58	31.48	39.48	39.54	39.50
Weight of Dry Soil & Tare	30.21	30.23	30.16	35.24	35.22	35.05
Weight of Water	1.35	1.35	1.32	4.24	4.32	4.45
Weight of Tare	20.84	20.82	20.73	20.76	20.84	20.73
Weight of Dry Soil	9.37	9.41	9.43	14.48	14.38	14.32
Water Content	14.4	14.3	14.0	29.3	30.0	31.1
Number of Blows				33	28	18

Plastic Limit : 14

Liquid Limit : 30

Plasticity Index : 16

Unified Soil Classification : CL



Atterberg Limits Determination

ASTM D4318

Project Name: Proposed Industrial Storage Facility - Santa Ana, CA

Project Number: 3-223-0252

Date Sampled: 3/29/2023

Date Tested: 4/7/2023

Sampled By: CC

Tested By: M. Noorzay

Sample Location: B-1 @ 30'

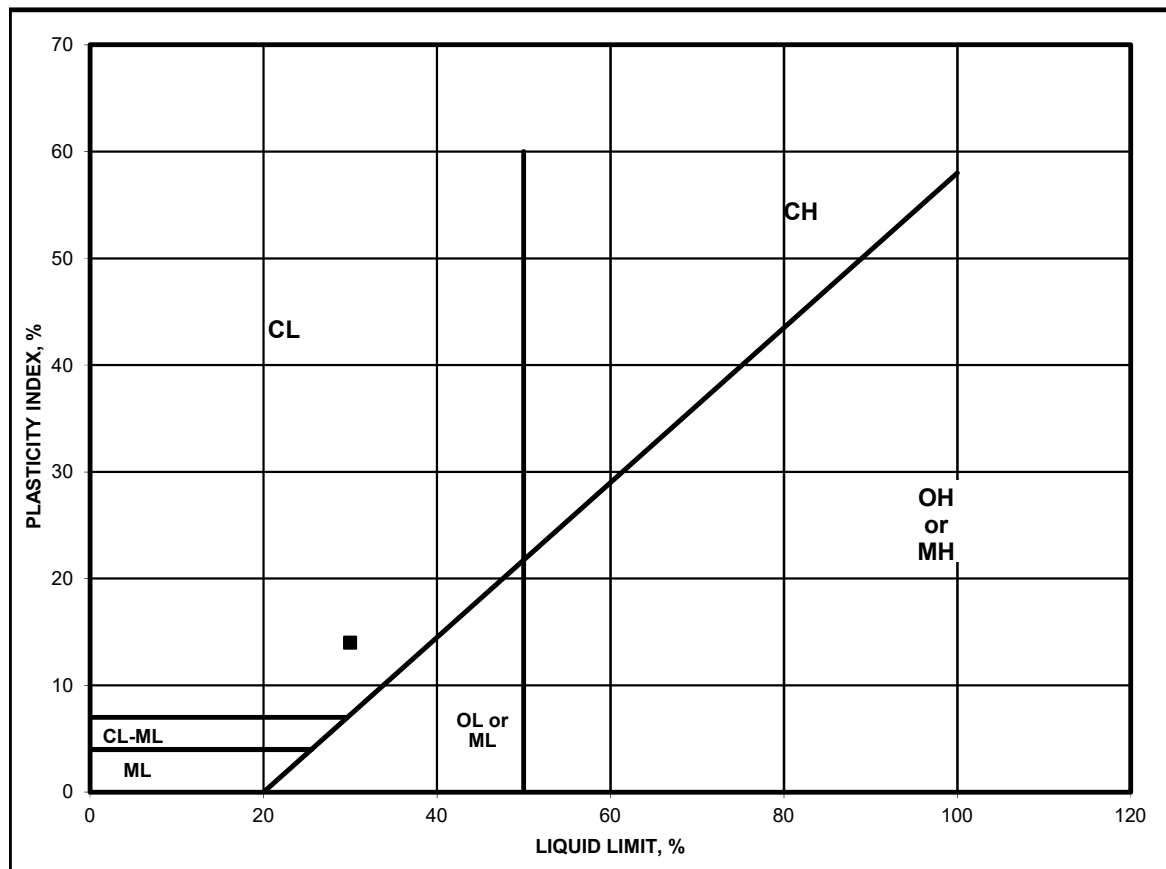
Run Number	Plastic Limit			Liquid Limit		
	1	2	3	1	2	3
Weight of Wet Soil & Tare	31.43	31.25	31.34	39.63	39.54	39.43
Weight of Dry Soil & Tare	29.95	29.82	29.87	35.48	35.24	34.90
Weight of Water	1.48	1.43	1.47	4.15	4.30	4.53
Weight of Tare	20.83	20.82	20.82	20.73	20.83	20.71
Weight of Dry Soil	9.12	9.00	9.05	14.75	14.41	14.19
Water Content	16.2	15.9	16.2	28.1	29.8	31.9
Number of Blows				35	25	15

Plastic Limit : 16

Liquid Limit : 30

Plasticity Index : 14

Unified Soil Classification : CL



CHEMICAL ANALYSIS

SO₄ - Modified CTM 417 & Cl - Modified CTM 417/422

Project Name: Proposed Industrial Storage Facility - Santa Ana, CA

Project Number: 3-223-0252

Date Sampled: 3/29/2023

Date Tested: 4/10/2023

Sampled By: CC

Tested By: M. Noorzay

Soil Description: Brown Silty SAND (SM) w/trace Clay and Gravel

Sample Number	Sample Location	Soluble Sulfate SO ₄ -S	Soluble Chloride Cl	pH
1a.	B-1 @ 1'-4'	590 mg/kg	29 mg/kg	8.2
1b.	B-1 @ 1'-4'	600 mg/kg	29 mg/kg	8.2
1c.	B-1 @ 1'-4'	600 mg/kg	29 mg/kg	8.2
Average:		597 mg/kg	29 mg/kg	8.2

Laboratory Compaction Curve ASTM D1557

Project Name: Proposed Industrial Storage Facility - Santa Ana, CA

Project Number: 3-223-0252

Date Sampled: 3/29/2023

Date Tested: 4/7/2023

Sampled By: CC

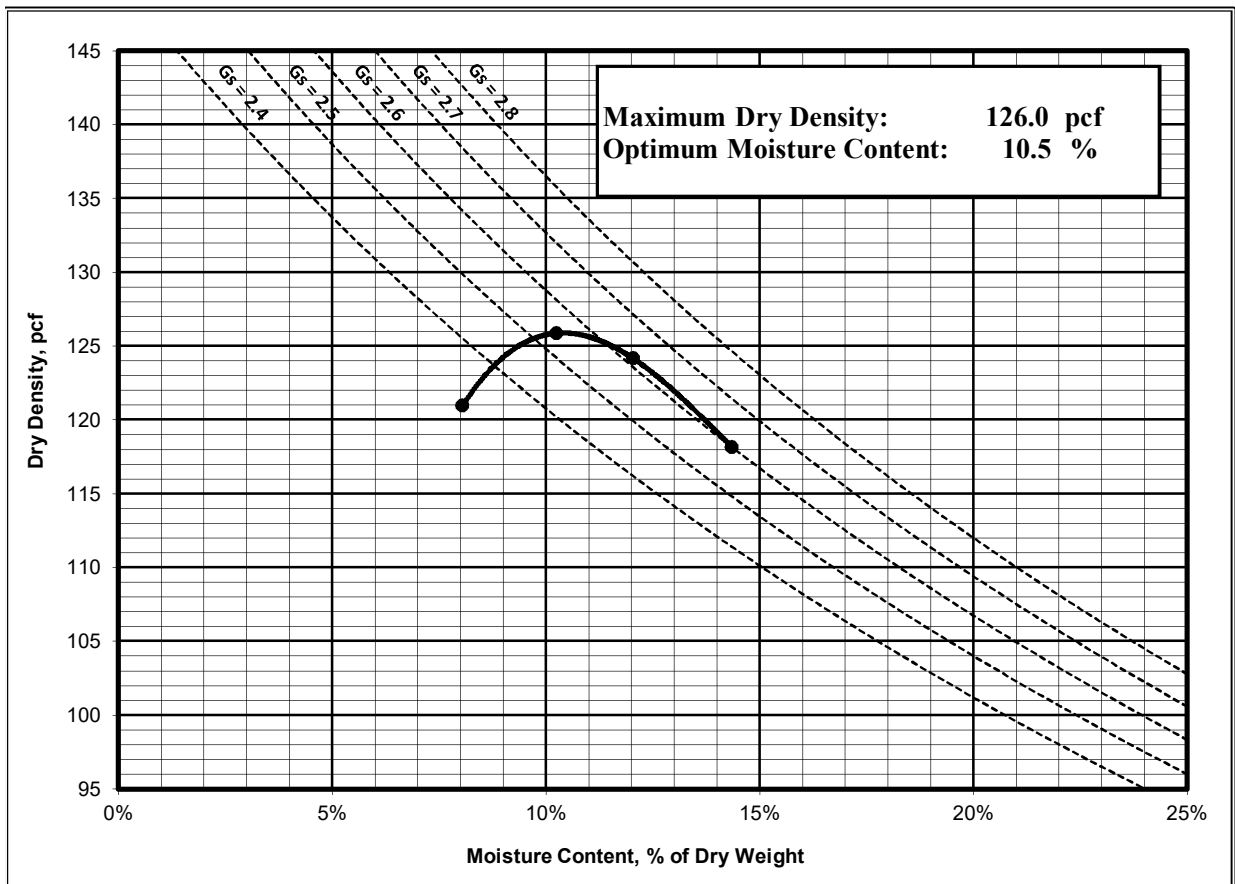
Tested By: M. Noorzay

Sample Location: B-1 @ 1'-4'

Soil Description: Brown Silty SAND (SM) w/trace Clay and Gravel

Test Method: Method B

	1	2	3	4
Weight of Moist Specimen & Mold, (g)	6256.0	6378.2	6383.3	6322.8
Weight of Compaction Mold, (g)	4280.2	4280.2	4280.2	4280.2
Weight of Moist Specimen, (g)	1975.8	2098.0	2103.1	2042.6
Volume of Mold, (ft ³)	0.0333	0.0333	0.0333	0.0333
Wet Density, (pcf)	130.7	138.8	139.1	135.1
Weight of Wet (Moisture) Sample, (g)	200.0	200.0	200.0	200.0
Weight of Dry (Moisture) Sample, (g)	185.1	181.4	178.5	174.9
Moisture Content, (%)	8.0%	10.3%	12.0%	14.4%
Dry Density, (pcf)	120.9	125.9	124.1	118.1



Laboratory Test Results by Geotek, Inc. (2021)

SUMMARY OF LABORATORY TESTING

Atterberg Limits

Atterberg limits testing were performed on a bulk sample collected from the site. The tests were performed in general accordance with ASTM D 4318. Results of these tests are shown on the boring logs at the appropriate sample depths in Appendix A.

Classification

Soils were classified visually in general accordance with the Unified Soil Classification System (ASTM Test Method D 2487). The soil classifications are shown on the logs of borings in Appendix A.

Collapse Test

Collapse tests were performed on selected samples of the site soils in general accordance with ASTM D 5333 test procedures. The results of this test are presented graphically in Appendix B.

Direct Shear

Shear testing was performed on a remolded sample in a direct shear machine of the strain-control type in general accordance with ASTM Test Method D 3080. The rate of deformation is approximately 0.035 inch per minute. The samples were sheared under varying confining loads in order to determine the coulomb shear strength parameters, angle of internal friction and cohesion. The samples were remolded to approximately 90 percent of the maximum dry density as determined by ASTM D 1557 test procedures. The results of the testing are presented in Appendix B.

Expansion Index

Expansion Index testing was performed on two (2) bulk soil samples obtained from the site. Testing was performed in general accordance with ASTM Test Method D 4829. The results of the testing are provided below.

Boring No.	Depth (ft.)	Description	Expansion Index	Classification
B-I	0-5	Silty Clay	48	Low

In-Situ Moisture and Density

The natural water content of sampled soils was determined in general accordance with ASTM D 2216 test procedures on samples of the materials recovered from the subsurface exploration. In addition, in-place dry density of the sampled soils was determined in general accordance with ASTM D 2937 test procedures on relatively undisturbed samples to measure the unit weight of the subsurface soils. Results of these tests are shown on the boring logs at the appropriate sample depths in Appendix A.

Moisture-Density Relationship

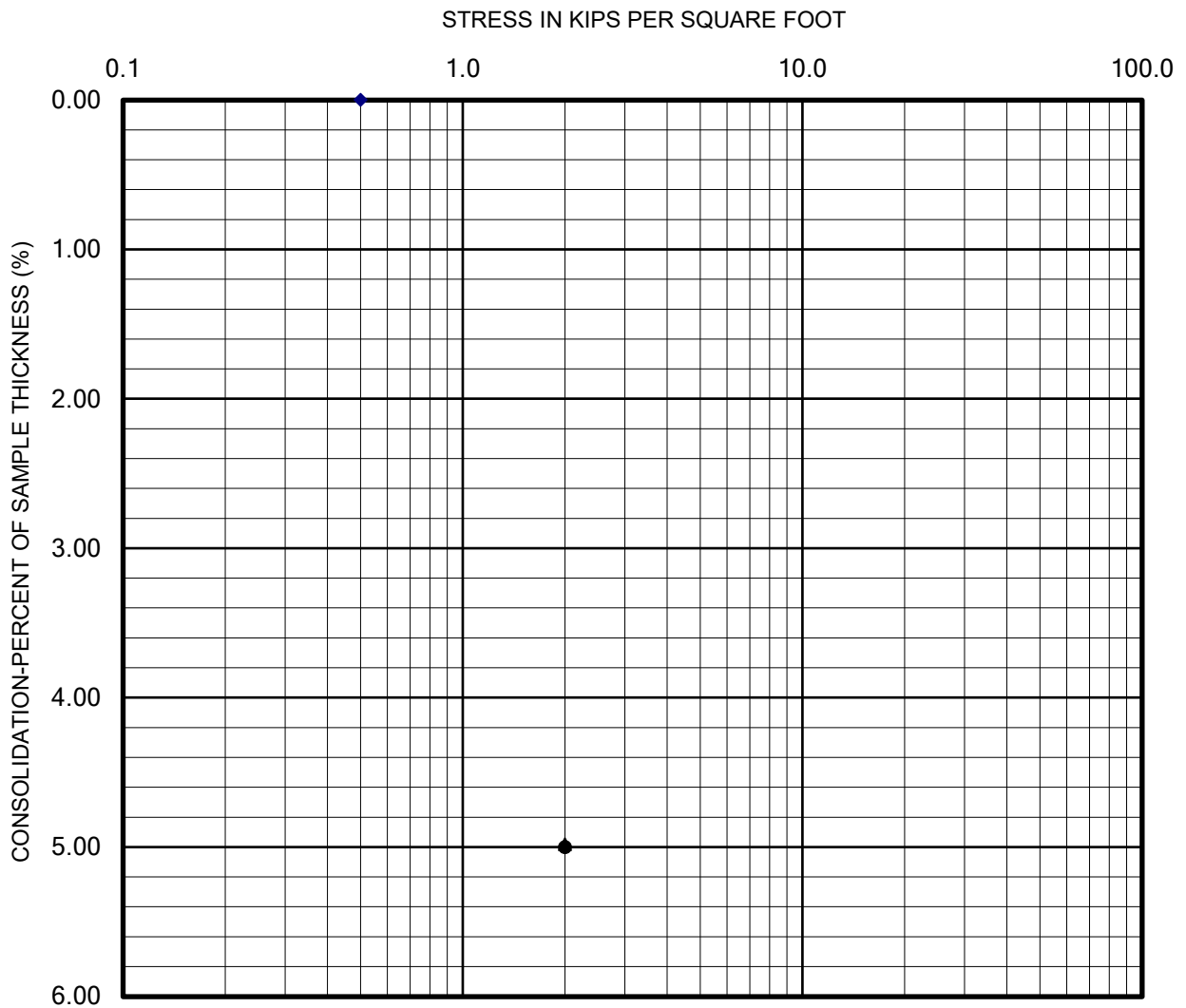
Laboratory testing was performed on one bulk sample collected during the subsurface exploration. The laboratory maximum dry density and optimum moisture content for the soil type was determined in general accordance with test method ASTM Test Procedure D 1557. The results of the testing are provided in Appendix B.



Sulfate Content, Resistivity and Chloride Content

Testing to determine the water-soluble sulfate content was performed by others in general accordance with ASTM D4327 test procedures. Resistivity testing was completed by others in general accordance with ASTM G187 test procedures. Testing to determine the chloride content was performed by others in general accordance with ASTM D4327 test procedures. The results of the testing are provided below and in Appendix B.

Boring No.	Depth (ft.)	pH ASTM D4972	Chloride ASTM D4327 (mg/kg)	Sulfate ASTM D4327 (% by weight)	Resistivity ASTM G187 (ohm-cm)
B-5	0-5	8.2	17.6	0.0331	1,273



- Seating Cycle
- Loading Prior to Inundation
- ▲— Loading After Inundation
- ▲--- Rebound Cycle

PERFORMED IN GENERAL ACCORDANCE WITH ASTM D 4546



COLLAPSE REPORT

Sample: B-2 @ 4 feet

**2020 East 1st Street
Santa Ana, California**

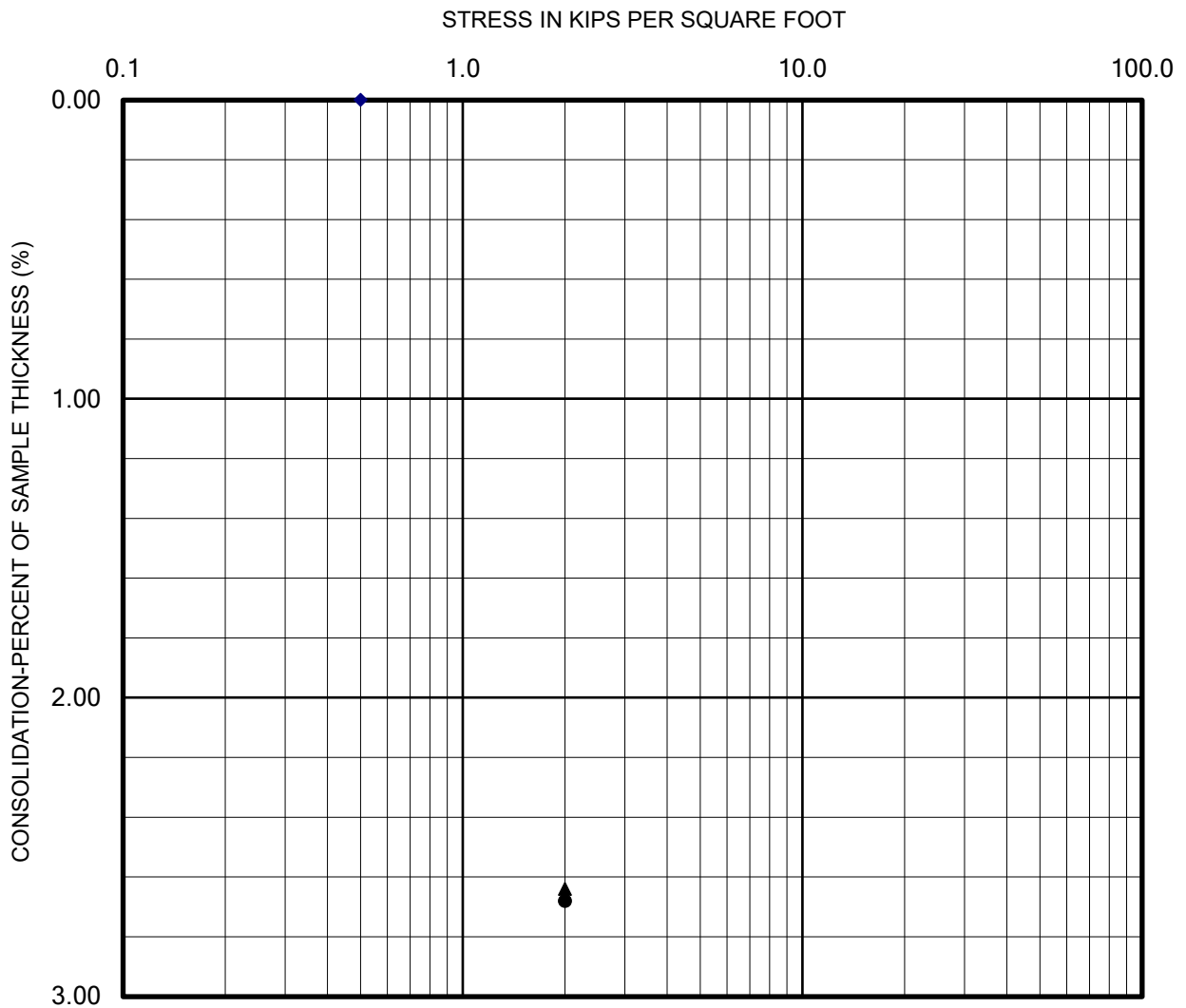
Plate B-1

CHECKED BY: RJ

Lab: Corona

PROJECT NO.: 2881-CR

Date: 9-23-21



- Seating Cycle
- Loading Prior to Inundation
- ▲— Loading After Inundation
- ▲--- Rebound Cycle

PERFORMED IN GENERAL ACCORDANCE WITH ASTM D 4546



COLLAPSE REPORT

Sample: B-3 @ 6 feet

**2020 East 1st Street
Santa Ana, California**

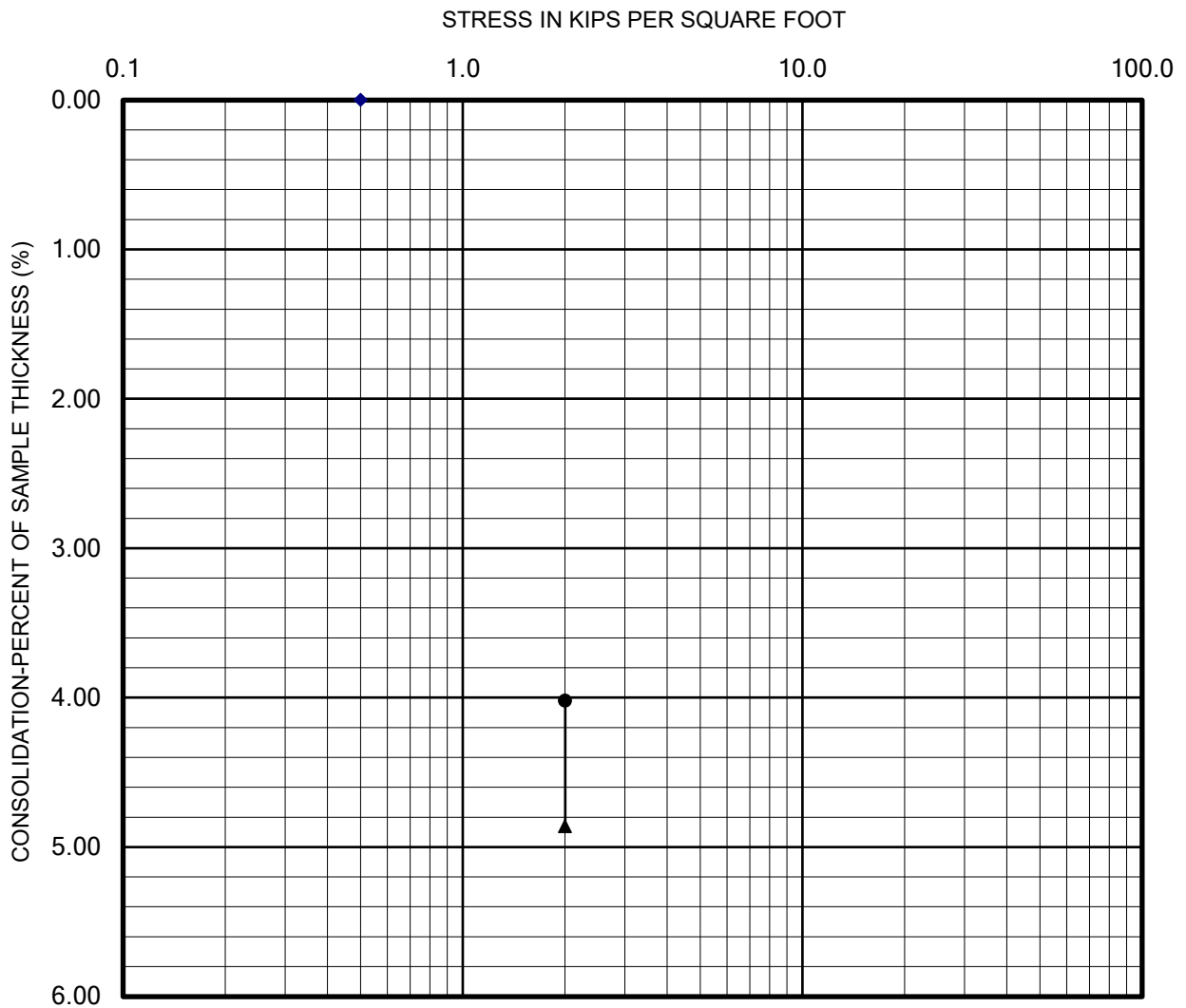
Plate B-2

CHECKED BY: RJ

Lab: Corona

PROJECT NO.: 2881-CR

Date: 9-23-21



- Seating Cycle
- Loading Prior to Inundation
- ▲— Loading After Inundation
- ▲--- Rebound Cycle

PERFORMED IN GENERAL ACCORDANCE WITH ASTM D 4546



COLLAPSE REPORT

Sample: B-4 @ 5 feet

**2020 East 1st Street
Santa Ana, California**

Plate B-3

CHECKED BY: RJ

Lab: Corona

PROJECT NO.: 2881-CR

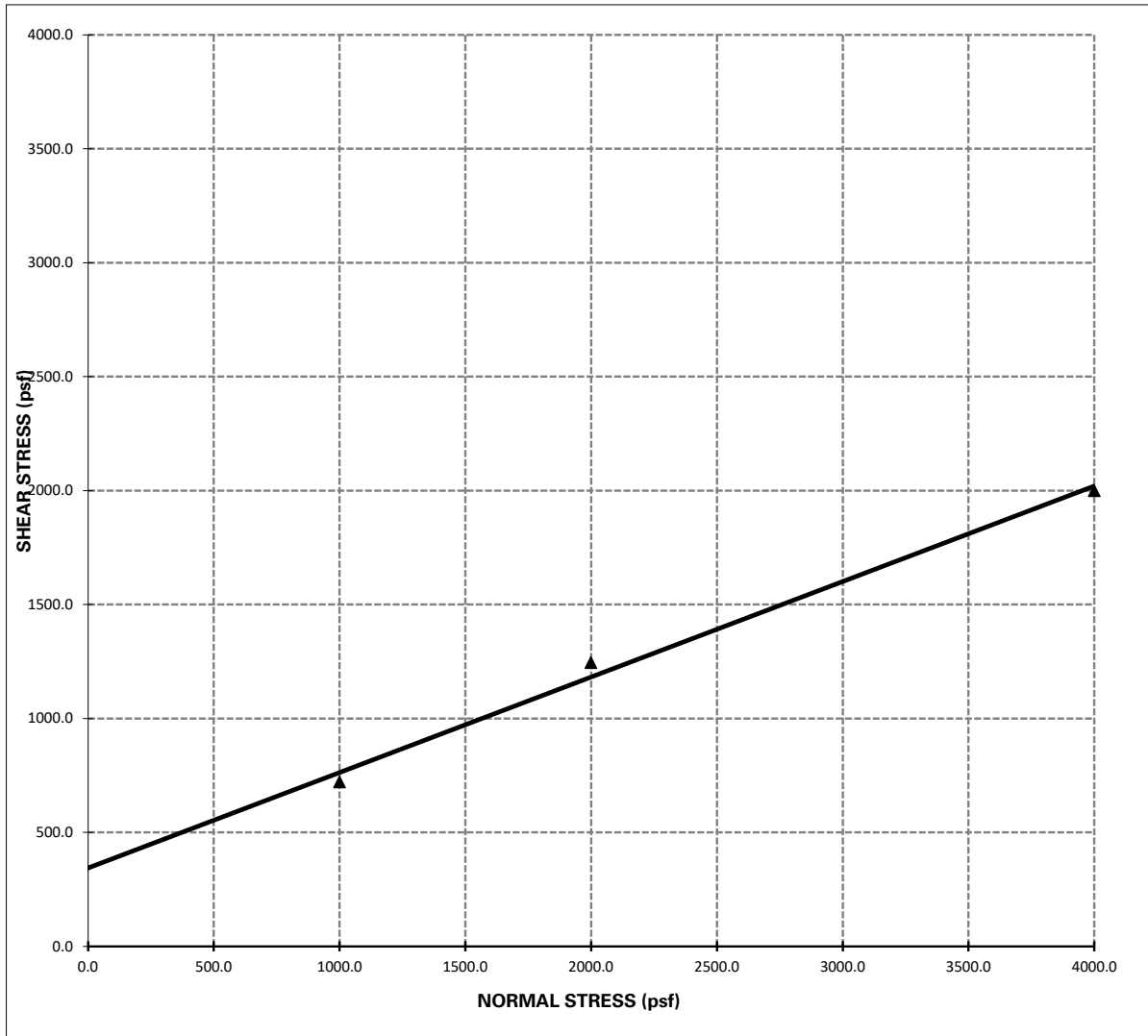
Date: 9-23-21



DIRECT SHEAR TEST

Project Name: Griffin Residential
Project Number: 2881-CR

Sample Location: BI @ 0-5'
Date Tested: 9/28/2021



Shear Strength: $\Phi = 23^{\circ}$; **C = 344 psf**

- Notes:**
- 1 - The soil specimen used in the shear box was a ring sample remolded to approximately 90% relative compaction from a bulk sample collected during the field investigation.
 - 2 - The above reflect direct shear strength at saturated conditions.
 - 3 - The tests were run at a shear rate of 0.035 in/min.



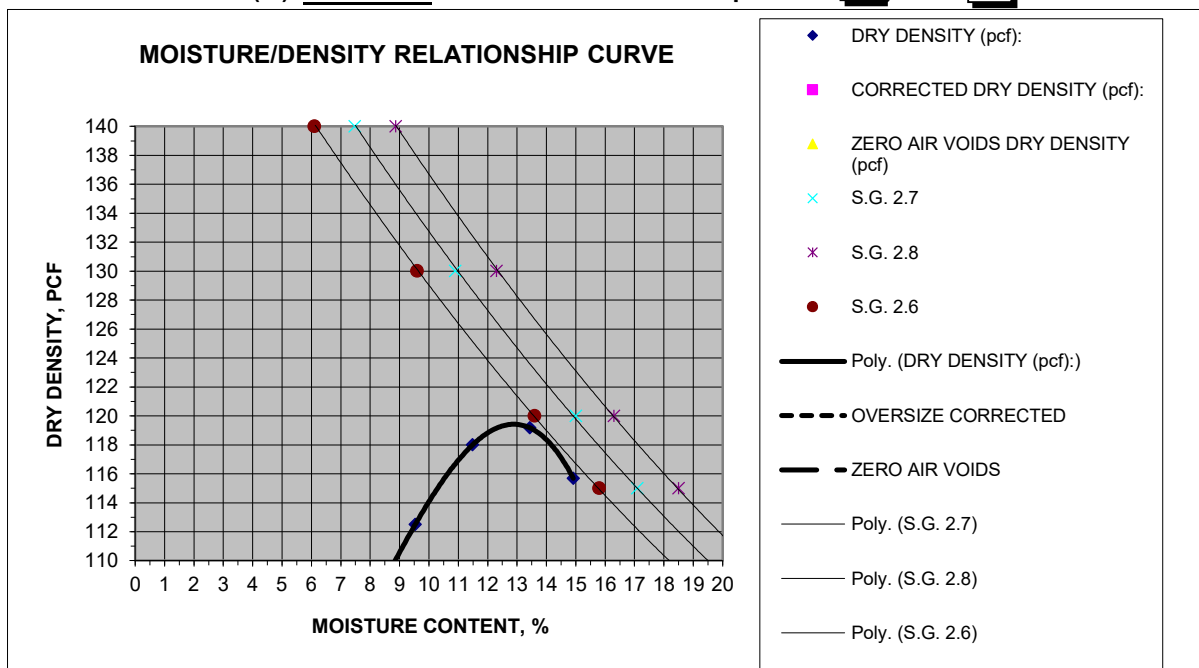
MOISTURE/DENSITY RELATIONSHIP

Client: Griffin Residential
Project: 2020 East 1st St.
Location: Santa Ana, CA
Material Type: Brown Silty Sand
Material Supplier: -
Material Source: -
Sample Location: B1 @ 0-5'
Sampled By: GP
Received By: RJ
Tested By: AD
Reviewed By: RJ

Job No.: 2881-CR
Lab No.: Corona

Date Sampled: 9/15/2021
Date Received: 9/15/2021
Date Tested: 9/24/2021
Date Reviewed: 9/24/2021

Test Procedure: ASTM D1557 **Method:** A
Oversized Material (%): 3.5 **Correction Required:** ☐ yes ☒ no



MOISTURE DENSITY RELATIONSHIP VALUES

Maximum Dry Density, pcf 119.5 **@ Optimum Moisture, %** 13.0
Corrected Maximum Dry Density, pcf **@ Optimum Moisture, %**

MATERIAL DESCRIPTION

Grain Size Distribution:

% Gravel (retained on No. 4)
 % Sand (Passing No. 4, Retained on No. 200)
 % Silt and Clay (Passing No. 200)

Classification:

Unified Soils Classification:
 AASHTO Soils Classification:

Atterberg Limits:

Liquid Limit, %
 Plastic Limit, %
 Plasticity Index, %



Soil Analysis Lab Results

Client: GeoTek, Inc.
Job Name: 2020 East 1st Street - Santa Ana
Client Job Number: 2881-CR Griffin Residential
Project X Job Number: S210923A
September 24, 2021

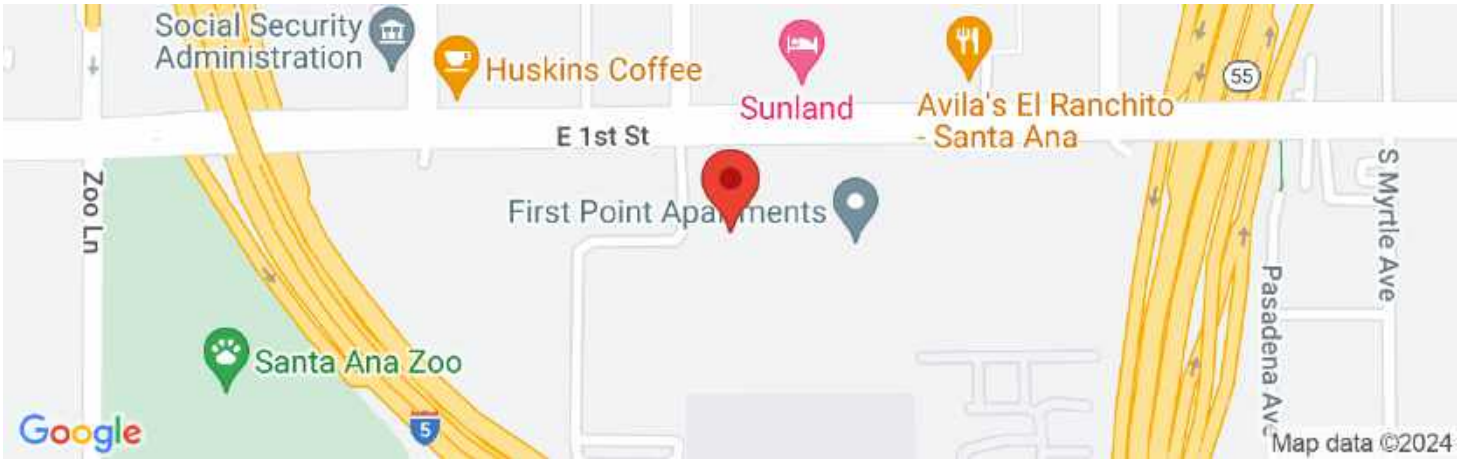
	Method	ASTM D4327	ASTM D4327	ASTM G187	ASTM D4972	ASTM G200	ASTM D4658	ASTM D4327	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D4327	ASTM D4327
Bore# / Description	Depth	Sulfates SO ₄ ²⁻	Chlorides Cl ⁻	Resistivity As Rec'd Minimum	pH	Redox	Sulfide S ²⁻	Nitrate NO ₃ ⁻	Ammonium NH ₄ ⁺	Lithium Li ⁺	Sodium Na ⁺	Potassium K ⁺	Magnesium Mg ²⁺	Calcium Ca ²⁺	Fluoride F ₂ ⁻	Phosphate PO ₄ ³⁻	
	(ft)	(mg/kg)	(wt%)	(mg/kg)	(wt%)	(Ohm-cm)	(Ohm-cm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
2881-CR B5 @	0-5	331.0	0.0331	17.6	0.0018	2,680	1,273	8.2	208	<0.01	54.3	13.2	0.01	86.5	8.4	19.3	106.7
																1.6	0.7

Cations and Anions, except Sulfide and Bicarbonate, tested with Ion Chromatography
mg/kg = milligrams per kilogram (parts per million) of dry soil weight
ND = 0 = Not Detected | NT = Not Tested | Unk = Unknown
Chemical Analysis performed on 1:3 Soil-To-Water extract
PPM = mg/kg (soil) = mg/L (Liquid)

Appendix D



Latitude, Longitude: 33.74480, -117.83772



Date	2/5/2024, 2:58:32 PM
Design Code Reference Document	ASCE7-16
Risk Category	II
Site Class	D - Stiff Soil

Type	Value	Description
S _S	1.286	MCE _R ground motion. (for 0.2 second period)
S ₁	0.459	MCE _R ground motion. (for 1.0s period)
S _{MS}	1.286	Site-modified spectral acceleration value
S _{M1}	null -See Section 11.4.8	Site-modified spectral acceleration value
S _{DS}	0.857	Numeric seismic design value at 0.2 second SA
S _{D1}	null -See Section 11.4.8	Numeric seismic design value at 1.0 second SA

Type	Value	Description
SDC	null -See Section 11.4.8	Seismic design category
F _a	1	Site amplification factor at 0.2 second
F _v	null -See Section 11.4.8	Site amplification factor at 1.0 second
PGA	0.539	MCE _G peak ground acceleration
F _{PGA}	1.1	Site amplification factor at PGA
PGA _M	0.593	Site modified peak ground acceleration
T _L	8	Long-period transition period in seconds
SsRT	1.286	Probabilistic risk-targeted ground motion. (0.2 second)
SsUH	1.375	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration
SsD	1.5	Factored deterministic acceleration value. (0.2 second)
S1RT	0.459	Probabilistic risk-targeted ground motion. (1.0 second)
S1UH	0.494	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration.
S1D	0.6	Factored deterministic acceleration value. (1.0 second)
PGA _d	0.562	Factored deterministic acceleration value. (Peak Ground Acceleration)
PGA _{UH}	0.539	Uniform-hazard (2% probability of exceedance in 50 years) Peak Ground Acceleration
C _{RS}	0.935	Mapped value of the risk coefficient at short periods
C _{R1}	0.928	Mapped value of the risk coefficient at a period of 1 s
C _V	1.357	Vertical coefficient

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Unified Hazard Tool



Please do not use this tool to obtain ground motion parameter values for the design code reference documents covered by the [U.S. Seismic Design Maps web tools](#) (e.g., the International Building Code and the ASCE 7 or 41 Standard). The values returned by the two applications are not identical.

Please also see the new [USGS Earthquake Hazard Toolbox](#) for access to the most recent NSHMs for the conterminous U.S. and Hawaii.

^ Input

Edition

Dynamic: Conterminous U.S. 2014 (updat...

Spectral Period

Peak Ground Acceleration

Latitude

Decimal degrees

33.7448

Time Horizon

Return period in years

2475

Longitude

Decimal degrees, negative values for western longitudes

-117.83772

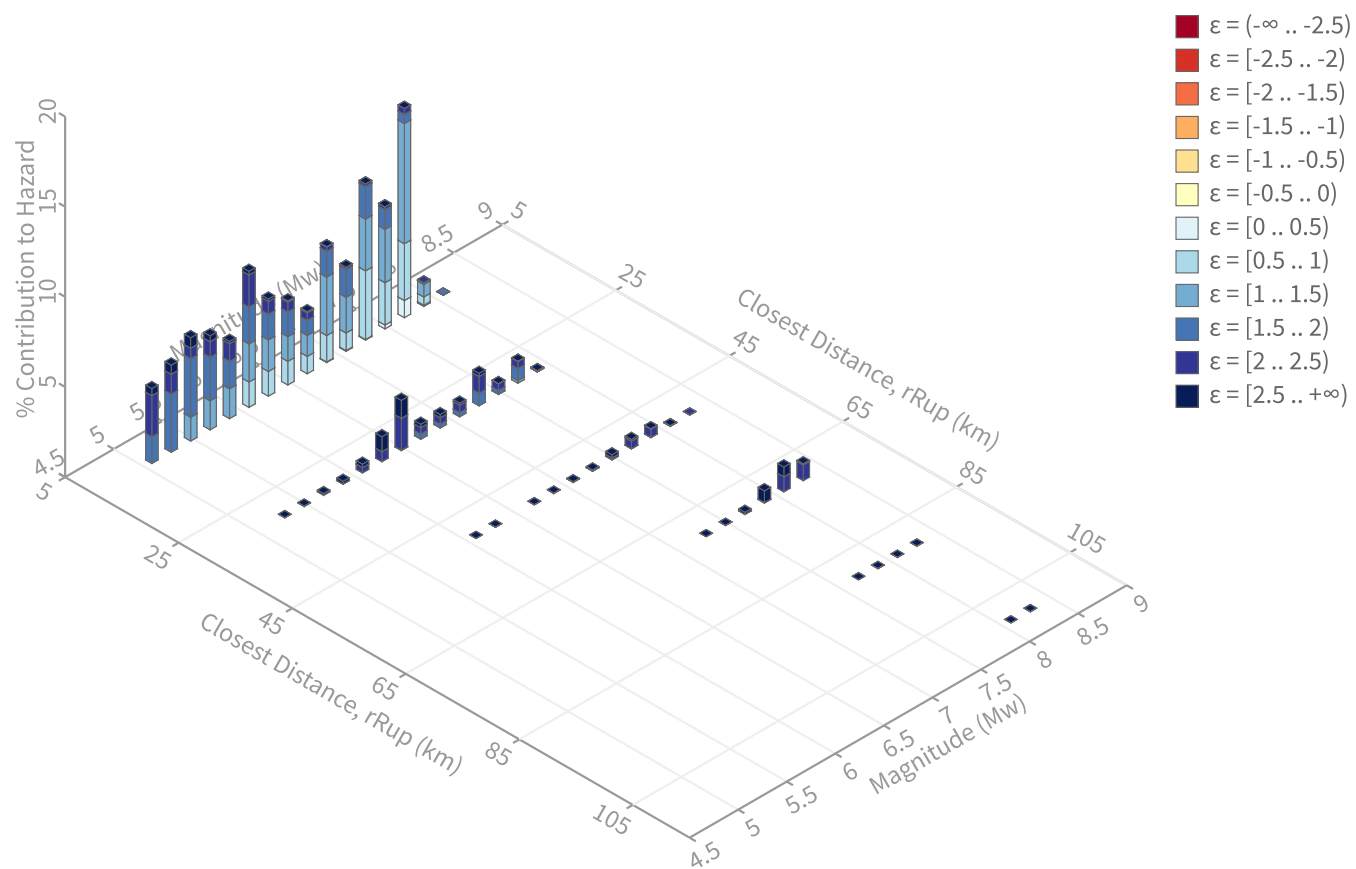
Site Class

259 m/s (Site class D)

^ Deaggregation

Component

Total



Summary statistics for, Deaggregation: Total

Deaggregation targets

Return period: 2475 yrs
Exceedance rate: 0.0004040404 yr⁻¹
PGA ground motion: 0.63681319 g

Recovered targets

Return period: 3065.7108 yrs
Exceedance rate: 0.00032618863 yr⁻¹

Totals

Binned: 100 %
Residual: 0 %
Trace: 0.07 %

Mean (over all sources)

m: 6.68
r: 15.75 km
ε₀: 1.59 σ

Mode (largest m-r bin)

m: 7.71
r: 14.62 km
ε₀: 1.15 σ
Contribution: 11.6 %

Mode (largest m-r-ε₀ bin)

m: 7.71
r: 16.94 km
ε₀: 1.33 σ
Contribution: 6.67 %

Discretization

r: min = 0.0, max = 1000.0, Δ = 20.0 km
m: min = 4.4, max = 9.4, Δ = 0.2
ε: min = -3.0, max = 3.0, Δ = 0.5 σ

Epsilon keys

- ε0:** [-∞ .. -2.5)
- ε1:** [-2.5 .. -2.0)
- ε2:** [-2.0 .. -1.5)
- ε3:** [-1.5 .. -1.0)
- ε4:** [-1.0 .. -0.5)
- ε5:** [-0.5 .. 0.0)
- ε6:** [0.0 .. 0.5)
- ε7:** [0.5 .. 1.0)
- ε8:** [1.0 .. 1.5)
- ε9:** [1.5 .. 2.0)
- ε10:** [2.0 .. 2.5)
- ε11:** [2.5 .. +∞]

Deaggregation Contributors

Source Set	↳	Source	Type	r	m	ε ₀	lon	lat	az	%
UC33bAvg_FM32	System	San Joaquin Hills [0]	System	9.02	7.19	1.00	117.845°W	33.669°N	184.74	29.56
		Whittier alt 2 [2]		18.32	7.60	1.51	117.746°W	33.891°N	27.50	3.64
		Compton [0]		16.95	7.28	1.11	118.043°W	33.702°N	256.15	2.95
		Newport-Inglewood alt 2 [1]		16.05	7.50	1.39	117.974°W	33.657°N	232.36	2.36
		Peralta Hills [0]		10.44	7.34	1.12	117.814°W	33.835°N	12.34	1.95
		Elsinore (Glen Ivy) rev [0]		24.76	6.61	2.44	117.590°W	33.829°N	67.71	1.73
		Anahelm [0]		11.54	6.90	1.16	117.943°W	33.780°N	292.09	1.57
		Chino alt 2 [2]		22.55	7.04	1.95	117.634°W	33.882°N	50.80	1.34
		Richfield [1]		15.91	6.40	2.03	117.862°W	33.883°N	351.81	1.09
	System	San Joaquin Hills [0]		9.02	7.54	0.83	117.845°W	33.669°N	184.74	4.22
		Whittier alt 1 [2]		18.38	7.51	1.56	117.740°W	33.888°N	29.45	3.92
		Compton [0]		16.95	7.22	1.13	118.043°W	33.702°N	256.15	2.76
		Newport-Inglewood alt 1 [0]		16.13	7.48	1.39	117.976°W	33.658°N	232.99	2.51
		Peralta Hills [0]		10.44	6.99	1.34	117.814°W	33.835°N	12.34	2.12
		Elsinore (Glen Ivy) rev [0]		24.76	6.63	2.42	117.590°W	33.829°N	67.71	1.72
		Anahelm [0]		11.54	6.85	1.19	117.943°W	33.780°N	292.09	1.55
		Chino alt 1 [4]		19.55	6.82	1.98	117.629°W	33.876°N	52.80	1.52
UC33bAvg_FM31 (opt)	Grid	PointSourceFinite: -117.838, 33.812	Grid	8.69	5.74	1.56	117.838°W	33.812°N	0.00	3.62
		PointSourceFinite: -117.838, 33.812		8.69	5.74	1.56	117.838°W	33.812°N	0.00	3.62
		PointSourceFinite: -117.838, 33.803		7.73	5.85	1.38	117.838°W	33.803°N	0.00	2.62
		PointSourceFinite: -117.838, 33.803		7.73	5.85	1.38	117.838°W	33.803°N	0.00	2.62
		PointSourceFinite: -117.838, 33.821		9.07	5.89	1.55	117.838°W	33.821°N	0.00	1.69
		PointSourceFinite: -117.838, 33.821		9.07	5.89	1.55	117.838°W	33.821°N	0.00	1.69
		PointSourceFinite: -117.838, 33.821		9.08	5.88	1.55	117.838°W	33.821°N	0.00	1.65
	Grid	PointSourceFinite: -117.838, 33.812	Grid	8.71	5.73	1.57	117.838°W	33.812°N	0.00	3.59
		PointSourceFinite: -117.838, 33.812		8.71	5.73	1.57	117.838°W	33.812°N	0.00	3.59
		PointSourceFinite: -117.838, 33.803		7.74	5.85	1.38	117.838°W	33.803°N	0.00	2.64
		PointSourceFinite: -117.838, 33.803		7.74	5.85	1.38	117.838°W	33.803°N	0.00	2.64
		PointSourceFinite: -117.838, 33.821		9.08	5.88	1.55	117.838°W	33.821°N	0.00	1.65
		PointSourceFinite: -117.838, 33.821		9.08	5.88	1.55	117.838°W	33.821°N	0.00	1.65
		PointSourceFinite: -117.838, 33.821		9.08	5.88	1.55	117.838°W	33.821°N	0.00	1.65

Appendix E

Percolation Test Worksheet

Project: Proposed Industrial Storage Facility
2020 E. 1st Street
Santa Ana, California

Job No.: 3-223-0252
Date Drilled: 3/29/2023
Soil Classification: Sandy SILT (ML)

Hole Radius: 4 in.

Pipe Dia.: 3 in.

Total Depth of Hole: 60 in.

Test Hole No.: P-1

Presoaking Date: 3/29/2023

Tested by: CC

Test Date: 3/30/2023

Drilled Hole Depth: 5.0 ft.

Pipe Stick up: 0.5 ft.

Time Start	Time Finish	Depth of Test Hole (ft) [#]	Refill- Yes or No	Elapsed Time (hrs:min)	Initial Water Level [#] (ft)	Final Water Level [#] (ft)	Δ Water Level (in.)	Δ Min.	Meas. Perc Rate (min/in)	Initial Height of Water (in)	Final Height of Water (in)	Average Height of Water (in)	Infiltration Rate, It (in/hr)
12:10	12:40	5.5	Y	0:30	2.00	2.27	3.24	30	9.3	42.0	38.8	40.4	0.31
12:40	13:10	5.5	N	0:30	2.27	2.51	2.88	30	10.4	38.8	35.9	37.3	0.29
13:10	13:40	5.5	N	0:30	2.51	2.72	2.52	30	11.9	35.9	33.4	34.6	0.28
13:40	14:10	5.5	N	0:30	2.72	2.91	2.28	30	13.2	33.4	31.1	32.2	0.27
14:10	14:40	5.5	N	0:30	2.91	3.09	2.16	30	13.9	31.1	28.9	30.0	0.27
14:40	15:10	5.5	N	0:30	3.09	3.26	2.04	30	14.7	28.9	26.9	27.9	0.27
15:10	15:40	5.5	N	0:30	3.26	3.41	1.80	30	16.7	26.9	25.1	26.0	0.26
15:40	16:10	5.5	N	0:30	3.41	3.55	1.68	30	17.9	25.1	23.4	24.2	0.26
16:10	16:40	5.5	N	0:30	3.55	3.68	1.56	30	19.2	23.4	21.8	22.6	0.25
16:40	17:10	5.5	N	0:30	3.68	3.80	1.44	30	20.8	21.8	20.4	21.1	0.25
17:10	17:40	5.5	N	0:30	3.80	3.91	1.32	30	22.7	20.4	19.1	19.7	0.24
17:40	18:10	5.5	N	0:30	3.91	4.02	1.32	30	22.7	19.1	17.8	18.4	0.26
										Infiltration Rate		0.24	

Percolation Test Worksheet

Project: Proposed Industrial Storage Facility
2020 E. 1st Street
Santa Ana, California

Job No.: 3-223-0252
Date Drilled: 3/29/2023
Soil Classification: Silty SAND (SM)

Hole Radius: 4 in.

Pipe Dia.: 3 in.

Total Depth of Hole: 117 in.

Test Hole No.: P-2

Presoaking Date: 3/29/2023

Tested by: CC

Test Date: 3/30/2023

Drilled Hole Depth: 9.75 ft.

Pipe Stick up: 0.5 ft.

Time Start	Time Finish	Depth of Test Hole (ft) [#]	Refill- Yes or No	Elapsed Time (hrs:min)	Initial Water Level [#] (ft)	Final Water Level [#] (ft)	Δ Water Level (in.)	Δ Min.	Meas. Perc Rate (min/in)	Initial Height of Water (in)	Final Height of Water (in)	Average Height of Water (in)	Infiltration Rate, It (in/hr)
12:20	12:50	10.3	Y	0:30	7.50	7.98	5.76	30	5.2	33.0	27.2	30.1	0.72
12:50	13:20	10.3	N	0:30	7.98	8.36	4.56	30	6.6	27.2	22.7	25.0	0.68
13:20	13:50	10.3	N	0:30	8.36	8.68	3.84	30	7.8	22.7	18.8	20.8	0.67
13:50	14:20	10.3	N	0:30	8.68	8.94	3.12	30	9.6	18.8	15.7	17.3	0.65
14:20	14:50	10.3	N	0:30	8.94	9.16	2.64	30	11.4	15.7	13.1	14.4	0.64
14:50	15:20	10.3	N	0:30	9.16	9.35	2.28	30	13.2	13.1	10.8	11.9	0.65
15:23	15:53	10.3	Y	0:30	7.50	7.93	5.16	30	5.8	33.0	27.8	30.4	0.64
15:53	16:23	10.3	N	0:30	7.93	8.30	4.44	30	6.8	27.8	23.4	25.6	0.64
16:23	16:53	10.3	N	0:30	8.30	8.61	3.72	30	8.1	23.4	19.7	21.5	0.63
16:53	17:23	10.3	N	0:30	8.61	8.87	3.12	30	9.6	19.7	16.6	18.1	0.62
17:23	17:53	10.3	N	0:30	8.87	9.09	2.64	30	11.4	16.6	13.9	15.2	0.61
17:53	18:23	10.3	N	0:30	9.09	9.28	2.28	30	13.2	13.9	11.6	12.8	0.62
										Infiltration Rate		0.61	

Percolation Data Sheet

Project Name: 2020 E 1st Street

Project Number: 23150-01

Test Hole Number: I-1

Date Excavated: 9/13/2021

Depth (in): 600

Radius (in.): 4

Date Presoak: 9/13/2021

Tested By: GeoTek (2021) Pipe Diameter (in.): 3

Date Tested: 9/14/2021

Sandy Soil Criteria

Trial Number	Time	Time Interval (mins.)	Initial Water Level (in.)	Final Water Level (in.)	Δ in Water Level (in.)
1	8:12	10	580	589.5	9.5
	8:22				
2	8:24	10	580	589.5	9.5
	8:34				

Percolation Data

Time	Time Interval (mins.)	Total Elapsed Time (mins)	Initial Depth to Water (in.)	Final Depth to Water (in.)	Δ in Water Level (in.)	Percolation Rate (in./hr.)
8:36	10	10	580	589.3	9.3	55.5
8:46						
8:48	10	22	580	589.0	9.0	54.0
8:58						
9:00	10	34	580	589.0	9.0	54.0
9:10						
9:12	10	46	580	589.0	9.0	54.0
9:22						
9:24	10	58	580	588.8	8.8	52.5
9:34						
9:36	10	70	580	588.8	8.8	52.5
9:46						

Initial Height of Water (H₀) = 20.0

$$l_t = \Delta H(60r)/\Delta t(r+2H_{avg})$$

Final Height of Water (H_f) = 11.3

$l_t = 6.0$ in./hr.

Change in Height Over Time (ΔH) = 8.8

$C \times l_t = 3.0$ in./hr.

Average Head Over Time (H_{avg}) = 15.6

Annulus Gravel/Sand Correction (C) = 0.5

Percolation Data Sheet

Project Name: 2020 E 1st Street

Project Number: 23150-01

Test Hole Number: I-2

Date Excavated: 9/13/2021

Depth (in): 600

Radius (in.): 4

Date Presoak: 9/13/2021

Tested By: GeoTek (2021) Pipe Diameter (in.): 3

Date Tested: 9/14/2021

Sandy Soil Criteria

Trial Number	Time	Time Interval (mins.)	Initial Water Level (in.)	Final Water Level (in.)	Δ in Water Level (in.)
1	9:52	10	580	589.3	9.3
	10:02				
2	10:04	10	580	589.3	9.3
	10:14				

Percolation Data

Time	Time Interval (mins.)	Total Elapsed Time (mins)	Initial Depth to Water (in.)	Final Depth to Water (in.)	Δ in Water Level (in.)	Percolation Rate (in./hr.)
10:16	10	10	580	589.0	9.0	54.0
10:26						
10:28	10	22	580	589.0	9.0	54.0
10:38						
10:40	10	34	580	588.8	8.8	52.5
10:50						
10:52	10	46	580	588.8	8.8	52.5
11:02						
11:04	10	58	580	588.8	8.8	52.5
11:14						
11:16	10	70	580	588.5	8.5	51.0
11:26						

Initial Height of Water (H_o) = 20.0

$$I_t = \Delta H(60r)/\Delta t(r+2H_{avg})$$

Final Height of Water (H_f) = 11.5

$$I_t = 5.7 \text{ in./hr.}$$

Change in Height Over Time (ΔH) = 8.5

$$C \times I_t = 2.9 \text{ in./hr.}$$

Average Head Over Time (H_{avg}) = 15.8

Annulus Gravel/Sand Correction (C) = 0.5

Percolation Data Sheet

Project Name: 2020 E 1st Street

Project Number: 23150-01

Test Hole Number: I-3

Date Excavated: 9/13/2021

Depth (in): 600

Radius (in.): 4

Date Presoak: 9/13/2021

Tested By: GeoTek (2021) Pipe Diameter (in.): 3

Date Tested: 9/14/2021

Sandy Soil Criteria

Trial Number	Time	Time Interval (mins.)	Initial Water Level (in.)	Final Water Level (in.)	Δ in Water Level (in.)
1	11:32	10	580	589.3	9.3
	11:42				
2	11:44	10	580	589.0	9.0
	11:54				

Percolation Data

Time	Time Interval (mins.)	Total Elapsed Time (mins)	Initial Depth to Water (in.)	Final Depth to Water (in.)	Δ in Water Level (in.)	Percolation Rate (in./hr.)
11:56	10	10	580	589.0	9.0	54.0
12:06						
12:08	10	22	580	588.8	8.8	52.5
12:18						
12:20	10	34	580	588.8	8.8	52.5
12:30						
12:32	10	46	580	588.5	8.5	51.0
12:42						
12:44	10	58	580	588.5	8.5	51.0
12:54						
12:56	10	70	580	588.5	8.5	51.0
13:06						

Initial Height of Water (H₀) = 20.0

$$I_t = \Delta H(60r)/\Delta t(r+2H_{avg})$$

Final Height of Water (H_f) = 11.5

I_t = 5.7 in./hr.

Change in Height Over Time (ΔH) = 8.5

C x I_t = 2.9 in./hr.

Average Head Over Time (H_{avg}) = 15.8

Annulus Gravel/Sand Correction (C) = 0.5

Percolation Data Sheet

Project Name: 2020 E 1st Street

Project Number: 23150-01

Test Hole Number: I-4

Date Excavated: 9/13/2021

Depth (in.): 600

Radius (in.): 4

Date Presoak: 9/13/2021

Tested By: GeoTek (2021) Pipe Diameter (in.): 3

Date Tested: 9/14/2021

Sandy Soil Criteria

Trial Number	Time	Time Interval (mins.)	Initial Water Level (in.)	Final Water Level (in.)	Δ in Water Level (in.)
1	13:12	10	580	589.5	9.5
	13:22				
2	13:24	10	580	589.3	9.3
	13:34				

Percolation Data

Time	Time Interval (mins.)	Total Elapsed Time (mins)	Initial Depth to Water (in.)	Final Depth to Water (in.)	Δ in Water Level (in.)	Percolation Rate (in./hr.)
13:36	10	10	580	589.3	9.3	55.5
13:46						
13:48	10	22	580	589.0	9.0	54.0
13:58						
14:00	10	34	580	589.0	9.0	54.0
14:10						
14:12	10	46	580	588.8	8.8	52.5
14:22						
14:24	10	58	580	588.8	8.8	52.5
14:34						
14:36	10	70	580	588.8	8.8	52.5
14:46						

Initial Height of Water (Ho) = 20.0

$$I_t = \Delta H(60r) / \Delta t(r + 2H_{avg})$$

Final Height of Water (Hf) = 11.3

$$I_t = 6.0 \text{ in./hr.}$$

Change in Height Over Time (ΔH) = 8.8

$$C \times I_t = 3.0 \text{ in./hr.}$$

Average Head Over Time (Havg) = 15.6

Annulus Gravel/Sand Correction (C) = 0.5

Appendix F

APPENDIX F

GENERAL EARTHWORK AND GRADING SPECIFICATIONS

1.0 GENERAL

1.1 Intent: These General Earthwork and Grading Specifications are for the grading and earthwork shown on the approved grading plan(s) and/or indicated in the geotechnical report(s). These Specifications are a part of the recommendations contained in the geotechnical report(s). In case of conflict, the specific recommendations in the geotechnical report shall supersede these general Specifications. Observations of the earthwork by the project Geotechnical Consultant during grading may result in new or revised recommendations that could supersede these specifications or the recommendations in the geotechnical report(s).

1.2 Geotechnical Consultant: Prior to commencement of work, the project owner shall employ a geotechnical consultant. The geotechnical consultant shall be responsible for reviewing the approved geotechnical report(s) and accepting the adequacy of the preliminary geotechnical findings, conclusions, and recommendations prior to the commencement of grading.

Prior to commencement of grading, the Geotechnical Consultant shall review the "work plan" prepared by the Earthwork Contractor (Contractor) and schedule sufficient personnel to perform the appropriate level of observation, mapping, and compaction testing.

During grading and earthwork operations, the Geotechnical Consultant shall observe, map, and document the subsurface exposures to verify the geotechnical design assumptions. If the observed conditions are found to be significantly different than the interpreted assumptions during the design phase, the Geotechnical Consultant shall inform the owner, recommend appropriate changes in design to accommodate the observed conditions, and notify the review agency where required. Subsurface areas to be geotechnically observed, mapped, elevations recorded, and/or tested include natural ground after it has been cleared for receiving fill but before fill is placed, bottoms of all "remedial removal" areas, all keyway bottoms, and benches made on sloping ground to receive fill.

The Geotechnical Consultant shall observe the moisture-conditioning and processing of subgrade and fill materials and perform adequate relative compaction testing of fill to determine the attained level of compaction and assess if, in their opinion, if the work was performed in substantial compliance

with the geotechnical report(s) and these specifications. The Geotechnical Consultant shall provide test results to the owner on a routine and frequent basis.

- 1.3 The Earthwork Contractor:** The Earthwork Contractor (Contractor) shall be qualified, experienced, and knowledgeable in earthwork logistics, preparation and processing of ground to receive fill, moisture-conditioning and processing of fill, and compacting fill. The Contractor shall review and accept the plans, geotechnical report(s), and these Specifications prior to commencement of grading. The Contractor shall be solely responsible for performing the grading in accordance with applicable grading codes, the project plans, and these specifications.

The Contractor shall prepare and submit to the owner and the Geotechnical Consultant a work plan that indicates the sequence of earthwork grading, the number of "spreads" of work and the estimated quantities of daily earthwork planned for the site prior to commencement of grading. The Contractor shall inform the owner and the Geotechnical Consultant of changes in work schedules and updates to the work plan at least 24 hours in advance of such changes so that appropriate observations and tests can be planned and accomplished. The Contractor shall not assume that the Geotechnical Consultant is aware of all grading operations.

The Contractor shall have the sole responsibility to provide adequate equipment and methods to accomplish the earthwork in accordance with the applicable grading codes and agency ordinances, these Specifications, and the recommendations in the approved geotechnical report(s) and grading plan(s). If, in the opinion of the Geotechnical Consultant, unsatisfactory conditions, such as unsuitable soil, improper moisture condition, inadequate compaction, insufficient buttress key size, adverse weather, etc., are resulting in a quality of work less than required in these specifications, the Geotechnical Consultant shall reject the work and may recommend to the owner that construction be stopped until the conditions are corrected.

2.0 PREPARATION OF FILL AREAS

- 2.1 Clearing and Grubbing:** Areas to be excavated and filled shall be cleared and grubbed. Vegetation, such as brush, grass, roots, and other deleterious material, man-made structures, and similar debris shall be sufficiently removed and properly disposed of in a method acceptable to the owner, governing agencies, and the Geotechnical Consultant. Borrow areas shall be cleared and grubbed to the extent necessary to provide a suitable fill material.

Concrete fragments that are free of reinforcing steel may be placed in fills, provided they are placed in accordance with Section 3 and 4. Earth fill material

shall not contain more than 1 percent of organic materials (by volume). No fill lift shall contain more than 5 percent organic matter. Nesting of organic materials shall not be allowed.

If potentially hazardous materials are encountered, the Contractor shall stop work in the affected area, and a hazardous material specialist shall be informed immediately for proper evaluation and handling of these materials prior to continuing to work in that area. As presently defined by the State of California, most refined petroleum products (gasoline, diesel fuel, motor oil, grease, etc.) have chemical constituents that are considered hazardous waste. As such, the indiscriminate dumping or spillage of such fluids may constitute a misdemeanor, punishable by fines and/or imprisonment, and shall not be allowed.

The Geotechnical Consultant shall not be responsible for the identification or analysis of potentially hazardous materials; however, if observations, odors, or soil discoloration are suspect, the Geotechnical Consultant may request from the owner the termination of grading operations until such materials are deemed not hazardous as defined by applicable laws and regulations.

- 2.2 Evaluation/Acceptance of Fill Areas:** All areas to receive fill, including removal and processed areas, key bottoms, and benches, shall be observed, mapped, elevations recorded, and/or tested prior to being accepted by the Geotechnical Consultant as suitable to receive fill. The Contractor shall obtain a written acceptance from the Geotechnical Consultant prior to fill placement. A licensed surveyor shall provide the survey control for determining elevations of processed areas, keys, and benches.
- 2.3 Processing:** Ground that has been declared satisfactory for support of fill by the Geotechnical Consultant shall be scarified to a minimum depth of 6 inches. Ground that is not satisfactory shall be removed/overexcavated as specified in the following section. Scarification shall continue until soils are broken down and free of large clay lumps or clods and the working surface is reasonably uniform, flat, and free of uneven features that would inhibit uniform compaction. After scarification, the surface should be moisture conditioned, as necessary, to achieve the proper moisture content and compacted in accordance with Section 4 of these specifications.
- 2.4 Overexcavation:** In addition to removals and overexcavations recommended in the approved geotechnical report(s) and the grading plan, soft, loose, dry, saturated, spongy, organic-rich, highly fractured, or otherwise unsuitable ground shall be overexcavated to competent ground as recommended by the Geotechnical Consultant during grading.

- 2.5 **Benching:** Fills to be placed on ground sloping steeper than 5H:1V (horizontal to vertical units) shall be stepped or benched. The lowest bench or key shall be a minimum of 15 feet wide and at least 2 feet deep, into competent material as evaluated by the Geotechnical Consultant. Other benches shall be excavated a minimum height of 4 feet into competent material or as otherwise recommended by the Geotechnical Consultant. Fill placed on ground sloping flatter than 5:1 shall also be benched or otherwise overexcavated to provide a flat subgrade for fill placement.

3.0 **FILL MATERIAL**

- 3.1 **General:** Material to be used as fill shall be essentially free of organic matter and other deleterious substances evaluated and accepted by the Geotechnical Consultant prior to placement. Soils of poor quality, such as those with unacceptable gradation, high expansion potential, or low strength shall be placed in areas acceptable to the Geotechnical Consultant or mixed with other soils to achieve satisfactory fill material.
- 3.2 **Oversize:** Oversize material defined as rock, or other irreducible material with a maximum dimension greater than 12 inches, shall not be buried or placed in fill unless location, materials, and placement methods are specifically accepted by the Geotechnical Consultant. Placement operations shall be such that nesting of oversized material does not occur and that oversize material is completely surrounded by compacted or densified fill. Oversize material shall not be placed within 10 vertical feet of finish grade or within 2 feet of future utilities or other underground construction.
- 3.3 **Import:** If importing of fill material is required for grading, proposed import material shall meet the requirements of Section 3.1 and/or requirements defined in the project geotechnical report(s). The potential import source shall be given to the Geotechnical Consultant at least 48 hours (2 working days) before import begins so that suitability can be determined, and appropriate laboratory tests performed.

4.0 **FILL PLACEMENT AND COMPACTION**

- 4.1 **Fill Layers:** Approved fill material shall be placed in areas prepared to receive fill (per Section 3.0) in near-horizontal layers not exceeding 8 inches in loose thickness. The Geotechnical Consultant may accept thicker layers if testing indicates the grading procedures can adequately compact the thicker layers. Each layer shall be spread evenly and mixed thoroughly to attain relative uniformity of material and moisture throughout.

- 4.2 **Fill Moisture Conditioning:** Fill soils shall be watered, dried back, blended, and/or mixed, as necessary to attain a relatively uniform moisture content at or slightly over optimum. Maximum density and optimum soil moisture content tests shall be performed in accordance with ASTM International (ASTM Test Method D1557).
- 4.3 **Compaction of Fill:** After each layer has been moisture-conditioned, mixed, and evenly spread, it shall be uniformly compacted to not less than 90 percent of maximum dry density (ASTM Test Method D1557). Compaction equipment shall be adequately sized and be either specifically designed for soil compaction or of proven reliability to efficiently achieve the specified level of compaction and uniformity.
- Compaction of Fill Slopes:** In addition to normal compaction procedures specified above, compaction of slopes shall be accomplished by backrolling of slopes with sheepsfoot rollers at increments of 3 to 4 feet in fill elevation, or by other methods producing satisfactory results acceptable to the Geotechnical Consultant. Upon completion of grading, relative compaction of the fill, out to the slope face, shall be at least 90 percent of maximum density per ASTM Test Method D1557.
- 4.4 **Compaction Testing:** Field tests for moisture content and relative compaction of the fill soils shall be performed by the Geotechnical Consultant. Location and frequency of tests shall be at the Consultant's discretion based on field conditions encountered. Compaction test locations will not necessarily be selected on a random basis. Test locations shall be selected to verify adequacy of compaction levels in areas that are judged to be prone to inadequate compaction (such as close to slope faces and at the fill/bedrock benches).
- 4.5 **Frequency of Compaction Testing:** Tests shall be taken at intervals required by the governing agency and as deemed necessary by the Geotechnical Consultant in order to adequately qualify the fill material. In general, it should be anticipated that tests will be taken at intervals not exceeding 2 feet in vertical rise and/or 1,000 cubic yards of compacted fill, unless recommended otherwise by the Geotechnical Consultant. In addition, test(s) shall be taken on slope faces and/or each 10 feet of vertical height of slope as deemed necessary by the Geotechnical Consultant. The Contractor shall assure that fill construction is such that the testing schedule can be accomplished by the Geotechnical Consultant. The Contractor shall stop or slow down the earthwork construction if these minimum standards are not met.

- 4.6 Compaction Test Locations:** The Geotechnical Consultant shall document the approximate elevation and location of each compaction test. The Contractor shall coordinate with the project surveyor to assure that sufficient grade stakes are established so the Geotechnical Consultant can determine the test locations with sufficient accuracy. At a minimum, two grade stakes within a horizontal distance of 100 feet and vertically less than 5 feet apart from potential test locations shall be provided. Alternatively, GPS units may be used to determine the approximate location/coordinates of the field density tests.

5.0 SUBDRAIN INSTALLATION

Subdrain systems shall be installed in accordance with the approved geotechnical report(s), the grading plan, and standard details. The Geotechnical Consultant may recommend additional subdrains and/or changes in subdrain extent, location, grade, or material depending on conditions encountered during grading. All subdrains shall be surveyed for line and grade after installation and prior to burial. Sufficient time should be allowed by the Contractor for these surveys. The Contractor should consider videoing the subdrains shortly after burial to check proper installation and functionality. The Contractor is responsible for the performance of subdrains.

6.0 EXCAVATION

Excavations, including over-excavation for remedial purposes, shall be evaluated by the Geotechnical Consultant during grading. Remedial removal depths shown on geotechnical report(s) and plans are estimates. The actual extent of removal shall be determined by the Geotechnical Consultant based on the field evaluation of exposed conditions during grading. Where fill-over-cut slopes are to be graded, the cut portion of the slope shall be made, evaluated, and accepted by the Geotechnical Consultant prior to placement of materials for construction of the fill portion of the slope, unless otherwise recommended by the Geotechnical Consultant.

7.0 TRENCH BACKFILLS

- 7.1** Contractor shall follow all OHSA and Cal/OSHA requirements for safety of trench excavations.
- 7.2** Bedding and backfill of utility trenches shall be done in accordance with the applicable provisions of Standard Specifications of Public Works Construction. Bedding material shall have a Sand Equivalent greater than 30 (SE>30). The bedding shall be placed to 1 foot over the top of the conduit and densified by jetting. Backfill shall be placed and densified to a minimum 90 percent of maximum from 1 foot above the top of the conduit to the surface, except in traveled ways (see Section 7.6 below).

- 7.3** Jetting of the bedding around the conduits shall be observed by the Geotechnical Consultant.
- 7.4** Geotechnical Consultant shall test the trench backfill for relative compaction. At least one test should be made for every 300 feet of trench and 2 feet of fill, unless required differently by the governing agency or the Geotechnical Consultant.
- 7.5** Lift thickness of trench backfill shall not exceed those allowed in the Standard Specifications of Public Works Construction unless the Contractor can demonstrate to the Geotechnical Consultant that the fill lift can be compacted to the minimum relative compaction by his alternative equipment and method.
- 7.6** Trench backfill in the upper foot measured from finish grade within existing or future traveled way, shoulder, and other paved areas (or areas to receive pavement) should be placed to a minimum 95 percent relative compaction.



Base Map Source: Google Earth

Legend			GEOTECHNCIAL MAP		
 SB-7/SP-2 Approximate Hollow Stem Auger Boring Location/Percolation Test Location (Salem, 2023), Showing Total Depth in Feet.	<u>Earth Units</u> Circled Where Buried Qal Alluvium	Meritage Homes Proposed Residential Development 2020 East 1 st Street Santa Ana, California	Project Number: 23050-01 Date: February 23, 2024 Plate 1		
 GB-5/GI-4 Approximate Hollow Stem Auger Boring or Percolation Test Location (Geotek, 2021), Showing Total Depth in Feet.					



June 12, 2024

Project No. 23050-01

To: Meritage Homes
5 Peters Canyon Road, Suite 310
Irvine, California 92606

Attention: Ms. Louisa Feletto

Subject: Addendum Geotechnical Report, Supplemental Exploration and Percolation Testing, Proposed 86-Unit Residential Development, 2020 East First Street, Santa Ana, California

INTRODUCTION

In accordance with your request, SA Geotechnical, Inc. (SA GEO) has conducted a supplemental geotechnical study that included subsurface exploration and percolation testing to provide infiltration rates as part of the Water Quality Management Plan (WQMP) preparation for the subject proposed residential development in the City of Santa Ana, California. The purpose of our study was to evaluate the infiltration potential of subsurface soils and provide geotechnical recommendations for design and construction of stormwater infiltration devices.

The scope of services for this study included review of background geologic data and pertinent geotechnical reports and nearby infiltration studies (see Appendix A), subsurface exploration, percolation testing, laboratory testing, analysis, and preparation of this report.

This report summarizes our findings and conclusions and provides infiltration rates and stormwater related geotechnical recommendations that supersede those presented in our prior report (SA GEO, 2024). All other recommendations provided in our prior report remain valid. The geotechnical boring logs (Appendix B), laboratory test results (Appendix C), and percolation test data (Appendix D), are included at the rear of text.

ATTACHMENTS

Appendix A – References
Appendix B – Boring Logs
Appendix C – Laboratory Test Data
Appendix D – Percolation Test Data Sheets

Plate 1 – Geotechnical Map – Rear of Appendices

SCOPE OF SERVICES

Our scope of services for this supplemental study included the following tasks:

- Review of available geologic maps, reports, and data for the subject site and surrounding area. Our review included geotechnical reports and infiltration studies performed near the subject site. A list of references is included in Appendix A.
- Site reconnaissance to identify the existing site conditions and mark boring locations.
- Notification and coordination with DigAlert to identify and clear underground utilities at the boring locations.
- Drilling, logging, and sampling of three hollow-stem auger borings (H-1, P-1, and P-2) to a maximum depth of 66.5 feet below ground surface (bgs). The approximate boring locations are provided on the Geotechnical Map (Plate 1). Boring logs are included in Appendix B.
- Percolation testing in two borings (P-1 and P-2) in general accordance with the County of Orange WQMP Technical Guidance Document and in coordination with the project civil engineer, C&V Consulting, Inc.
- Laboratory testing of selected samples to determine engineering properties of onsite soils, including in-situ moisture and density, grain size distribution, Atterberg limits, expansion potential, and soluble sulfate content. Laboratory test results are included in Appendix C.
- Geotechnical evaluation, analysis, and calculation of infiltration rates.
- Preparation of this report including our findings, conclusions, preliminary recommendations, and accompanying illustrations.

SA GEO's expertise and scope of services do not include assessment of potential subsurface environmental contaminants or environmental health hazards.

SITE LOCATION AND EXISTING CONDITIONS

The subject site is located at 2020 East First Street, Santa Ana, California. The approximately 3.7-acre, rectangular-shaped site is bound by East First Street to the north, an apartment community to the east, a private school to the south, and Golden Circle Drive and a school athletic field to the west. The site is currently developed with a five-story office building, at-grade asphalt paved parking lot with drive aisles, and landscaping/hardscaping throughout the property.

PROPOSED IMPROVEMENTS

Based on our review of the Conceptual Site Plan, the overall development is proposed to include construction of 12 multifamily buildings (4-story) with a total of 86 units. Per our communications with the project civil engineer, C&V Consulting, Inc., we understand that the preliminary WQMP is proposed to include stormwater infiltration devices (drywells) within the southwesterly portion of the site, between 40 and 60 feet below existing grade.

PRIOR GEOTECHNICAL STUDIES AND PERCOLATION TESTING

As part of our study, we have reviewed relevant geotechnical studies and percolation testing that was performed in the vicinity of the site in addition to the preliminary design report we had prepared for the project (SA GEO, 2024). The reports reviewed are summarized in Appendix A and included sites adjacent to the subject site (2110 and 2114 E. First Street) and in the vicinity of the site (1814 and 1818 E. First Street). These studies included eight total percolation tests at depths ranging from 40 to 55 feet bgs. The measured infiltration rates obtained from these studies ranged from 3.8 to 11.2 inches per hour (no factor of safety applied).

GEOTECHNICAL EXPLORATION

Our subsurface geotechnical exploration was performed on May 20, 2024, and consisted of drilling three 8-inch-diameter, hollow-stem auger borings (H-1, P-1, and P-2) to a maximum depth of 66.5 feet below ground surface (bgs). Borings were geotechnically logged, and samples were collected at selected intervals. Borings P-1 and P-2 were also used to perform percolation testing on May 21, 2024, and were backfilled with soil cuttings and sand at the completion of testing. The pavement was patched with quick-set concrete. The approximate boring locations are shown on Plate 1. Boring logs are included in Appendix B.

Relatively undisturbed ring samples were obtained from the exploratory borings with a 2.5-inch inside-diameter, split-barrel sampler. The samplers were driven into the soil with a 140-pound automatic safety hammer, free-falling 30-inches. The drive samples were also used to obtain a measure of resistance of the soil to penetration (recorded as blows-per-foot on our geotechnical boring logs). Bulk samples were also collected during drilling.

GEOLOGIC SETTING

The subject site is located in the western portion of the Tustin Plain, approximately 4 miles east of the Santa Ana River, within the Peninsular Ranges geomorphic province of Southern California. The site is mapped by the United States Geologic Survey (2006) as underlain by extensive Quaternary-age alluvial fan (Qal) deposits. The alluvium encountered during this and prior explorations generally consisted of brown, reddish brown, and brownish silty/clayey sand, and clean fine to coarse-grained gravelly sands, with local sandy clay and clayey sand layers. The near surface soils are generally fine-grained sandy silts and clays.

GEOTECHNICAL CONDITIONS

The following includes the geotechnical conditions based on this supplemental subsurface exploration and laboratory testing conducted by SA GEO. Prior laboratory test data by others, provided in the referenced report (SA GEO, 2024), are not repeated/included herein. Laboratory test results from this study are included in Appendix C.

Native alluvial soils had in-situ moisture content and dry densities ranging from 1.7 to 31.7 percent and 83.6 to 124.6 pounds per cubic foot (pcf), respectively. Blow counts in the alluvial materials

ranged from 5 to 70+ blows per foot. Alluvial soils were generally found to be damp to very moist and medium dense to very dense/medium stiff to stiff.

Grain-size distribution tests were conducted on one bulk sample collected from the uppermost 5 feet and four ring samples collected at depths of 40, 43, and 47 feet. The bulk sample was classified in accordance with the Unified Soil Classification System (USCS) as silty clay (CL), with a fines content (passing No. 200 sieve) of 88 percent. The ring samples were found to have fines contents of 85 percent (40-foot-deep sample, Boring P-1), 67 percent (43-foot-deep sample, Boring P-1), 8 percent (43-foot-deep sample, Boring P-2), and 2 percent (47-foot-deep sample, Boring P-2) and were given USCS classifications of sandy silt (ML), sand with silt (SP-SM), and sand (SP).

Soil plasticity testing was performed on the bulk sample collected from the uppermost 5 feet and was classified as silty lean clay (CL) with a Plasticity Index (PI) of 16 and Liquid Limit (LL) of 38 percent. Plasticity testing was also performed on the fines portion of two ring samples collected at depths of 5 and 25 feet. The 5-foot sample was classified as silty sandy clay (CL) with a PI of 9 and an LL of 25. The 25-foot sample had less than 50 percent fines, was determined to be non-plastic, and classified as silty sand (SM).

One bulk sample collected from the uppermost 5 feet was tested to determine the expansion potential of the onsite alluvial materials. The sample had an Expansion Index of 72, indicating a "Medium" expansion potential. The soluble sulfate content of the soil was also measured from the same bulk sample. Soluble sulfate content testing indicates the samples may be classified as "S0" per Table 19.3.1.1 of ACI-318-14.

GROUNDWATER

Groundwater was not encountered during this or prior subsurface exploration to a maximum depth of 66.5 feet. Historic high groundwater mapping indicates that groundwater has remained deep below the site, in excess of 40 feet (CDMG, 1998). We have also reviewed groundwater data available through the GeoTracker database for several sites near the subject site. The data indicates groundwater in the vicinity of the site ranges from 63 to 89 feet bgs for monitoring periods between 2002 to 2013. A summary table of the nearby sites reviewed on GeoTracker website/database is provided below.

<i>Site Address</i>	<i>Distance from Subject Site (mi)</i>	<i>Monitoring Period</i>	<i>Depth to Groundwater Range (feet bgs)</i>
320 N Tustin Avenue	0.25	2002 - 2003	83.4 to 85.5
325 N Tustin Avenue	0.30	2003 - 2006	76.9 to 86.3
401 N Tustin Avenue	0.32	2005 - 2013	73.3 to 89.0
1601 E First Street	0.51	2001 - 2007	63.4 to 78.2
395 W First Street	0.58	2002 - 2010	66.9 to 81.2

PERCOLATION TESTING AND INFILTRATION RATE CALCULATION

Percolation testing was performed in Borings P-1 and P-2 on May 21, 2024, in general accordance with the County of Orange WQMP Technical Guidance Document (TGD) (2013). The Percolation Test Method was utilized as outlined in the County of Orange WQMP TGD. Two-inch diameter slotted well pipe and #3 select sand backfill (annular space) were constructed within the hollow-stem auger to prevent caving of the sandy soils during auger extraction and percolation testing. The borings were presoaked and tested to confirm onsite soils fell under the "Sandy Soil" criteria as defined in the guidance documents. Test results were tabulated, and final measurements were used to calculate the infiltration rate per the WQMP TGD.

The County of Orange TGD does not include calculation adjustments to account for the presence of the annular backfill material described above, which, in our experience, overestimates infiltration rates. We have used a correction factor to account for the volume loss due to the annular material, based on the porosity of the select material (#3 sand), the pipe diameter, and the boring diameter. The correction factor (0.4) is noted on the percolation test data sheets (Appendix D).

The calculated infiltration rates are provided below, which include the correction factor discussed above; however, the rates below do not include a factor of safety reduction. A discussion of the design infiltration rates, including required factory of safety, is provided in the following Conclusion and Recommendations Section. The infiltration test results are considered representative of the location and depths the tests were performed.

TABLE 1 – PERCOLATION TEST RESULTS		
<i>Boring No.</i>	<i>Tested Depth (Below Ground Surface)</i>	<i>Calculated Infiltration Rate (in./hr.)</i>
P-1	38.75 to 45	0.63
P-2	40 to 50	75.0

The percolation test results and calculated infiltration rates were found to vary widely with depth of testing. Borings H-1 and P-2 encountered clean sands with gravel (SP, SP-GP) between depths of 45 and 60 feet bgs, resulting in a very high infiltration rate while Boring P-2 encountered fine grained soils to nearly the total depth (44 feet bgs).

CONCLUSIONS AND PRELIMINARY RECOMMENDATIONS

1. General Conclusion

Based on our findings, stormwater infiltration at the subject site is considered feasible from a geotechnical standpoint provided the recommendations included in this report are implemented during design, grading, and construction. The specific recommendations provided in this report supersede those previously reported (SA GEO, 2024); other recommendations previously provided, not included or revised herein, remain valid and should be implemented during design, grading and construction of the site. The recommendations in this report are considered minimum and may be superseded by more stringent requirements of others.

The following recommendations are considered preliminary and should be reviewed and revised as needed once the WQMP is prepared and available for review by SA GEO.

2. Groundwater

Based on our subsurface exploration and review of the prior geotechnical reports and existing groundwater data for the vicinity, the groundwater is anticipated to be more than 65 feet bgs at the site. Proposed infiltration systems will need to meet the required minimum separation from high groundwater (10 feet) per the County of Orange WQMP TGD. Thus, stormwater infiltration should not be performed deeper than 55 feet bgs.

3. Settlement/Hydroconsolidation Potential

The conclusions pertaining to settlement potential provided in the prior report (SA GEO, 2024) remain valid. Based on the recent and prior boring and laboratory test data, we anticipate that introduction of stormwater to the subsurface will have a negligible contribution to the overall settlement potential of onsite soils. We recommend that stormwater infiltration devices have a minimum setback of 10 feet from building foundations.

SA GEO should be provided with the foundation plans and structural loads, once available, in order to further evaluate the potential for post-construction settlement of proposed buildings and associated improvements. The parameters previously provided will then be confirmed/updated based on the planned foundations and loads and analysis.

4. Stormwater Infiltration Feasibility

Based on our evaluation and analysis as described herein, we conclude that onsite stormwater infiltration is geotechnically feasible with deep drywell systems. We recommend using the infiltration data obtained from Boring P-2 test location, which is consistent with the soil data obtained from Boring H-1, for drywalls within the southwestern portion of the site that are 50 to 55 feet deep. Considering the variability of onsite soils, we recommend a factor-of-safety of 10 be applied to the calculated rate. The project civil engineer should determine if additional factors-of-safety are appropriate; however, this should be collaborated with SA GEO during design.

Assuming a factor-of-safety of 10 is applied, a design infiltration rate of **7 inches per hour** may be used for design of infiltration systems (drywalls) that are 50 to 55 feet deep and installed within the southwestern portion of the site (near the test location Boring P-2).

Infiltration systems should be constructed per the recommendations outlined in the County of Orange WQMP TGD. Special care should be taken to limit disturbance to native soils utilized as the infiltration surface such that the infiltration performance is not adversely impacted. We recommend that the infiltration systems have a minimum setback of 10 feet from any building foundations. Proper and routine maintenance should be provided for the infiltration systems in accordance with the TGD and manufacturer's recommendations.

Proposed stormwater infiltration systems should be reviewed by the geotechnical consultant during design to verify conformance with the recommendations provided herein. SA GEO should also observe and evaluate the subsurface soil conditions during excavation for installation devices to confirm the subsurface soil conditions. Additionally, the drywell systems should be tested after installation to verify that the design infiltration rate is achieved.

5. Geotechnical Review of Future Plans

The WQMP should be provided to the geotechnical consultant for review and to verify conformance with the recommendations provided herein. Additional recommendations should be provided upon our review and as needed.

LIMITATIONS

This report has been prepared for the exclusive use of our client, Meritage Homes, within the scope of services requested by our client for the proposed improvements described herein. This report or its contents should not be used or relied upon for other projects or purposes, or by other parties without the acknowledgement of SA GEO and the consultation of a geotechnical professional. The means and methods used by SA GEO for this study are based on local geotechnical standards of practice, care, and requirements of governing agencies. No warranty or guarantee, expressed or implied, is given.

Our findings, conclusions, and recommendations are professional opinions based on interpretations and inferences made from geologic and engineering data from specific locations and depths, observed or collected at a given time. By nature, geologic conditions can vary from point to point, can be very different in-between exploration points, and can also change over time. Our conclusions and recommendations are, by nature, preliminary and subject to verification and/or modification during grading and construction when more subsurface data is exposed.

If you have any questions regarding this report, please contact our office. We appreciate the opportunity to provide our services.

Respectfully submitted,

SA GEOTECHNICAL, INC.



Anthony Zepeda, CEG 2681
Project Geologist



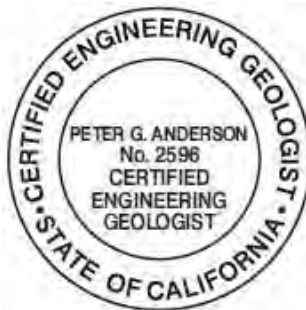
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Principal Engineering Geologist

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Appendix A

APPENDIX A

REFERENCES

- Alta California Geotechnical, Inc., 2023, Summary of Additional Infiltration Testing, Cabrillo Project, 1814 and 1818 E. 1st Street, City of Santa Ana, County of Orange, California, Project No. 1-0378, Dated April 14, 2023.
- California Division of Mines and Geology (CDMG), 1998, Seismic Hazard Zone Report for the Tustin 7.5-Minute Quadrangle, Orange County, California, Seismic Hazard Zone Report 012.
- California Division of Mines and Geology (CDMG), 2001, Seismic Hazard Zones Map, Tustin Quadrangle, Official Map dated January 17, 2001.
- California Geological Survey (CGS), 2018, Earthquake Fault Zones, A Guide for Government Agencies, Property Owners / Developers, and Geoscience Practitioners for Assessing Fault Rupture Hazards in California, Special Publication 42, Revised 2018.
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- Jennings, Charles W. and Bryant W.A., 2010, Fault Activity Map of California, Department of Conservation, California Geological Survey, Geologic Data Map No. 6.
- NOVA Services, 2019, Updated Drywell Design Review and Historic Local Groundwater Level Assessment, First Point, 2110 and 2114 E. 1st Street Senior Project, Santa Ana, California, Project No. 1376-03, Dated April 22, 2019.
- Orange County Public Works (OCPW), 2013, Orange County Watersheds Water Quality Management Plan (WQMP) Technical Guidance Document for the Preparation of Conceptual/Preliminary and/or Project Water Quality Management Plans, Exhibit 7.III, Dated December 20, 2013.
- SA Geotechnical, Inc., 2024, Geotechnical Due Diligence Study and Preliminary Geotechnical Recommendations, Proposed 86-Unit Residential Development, 2020 East First Street, Santa Ana, California, Project No. 23050-01, Dated February 23, 2024.
- South Coast Geotechnical/NOVA Services, 2017, Geotechnical Engineering Report & Infiltration Study, 2114 E. 1st Street Family and Seniors Project, 2114 E. 1st Street, Santa Ana, California, File No. 1376-03, Dated December 8, 2017.
- State of California Water Resources Control Board, 2024, GeoTracker Website, <http://geotracker.waterboards.ca.gov/>
- U.S. Geological Survey, 2006, Geologic Map of the San Bernardino and Santa Ana 30' X 60' Quadrangles, California, dated 2006, Open File Report 2006-1217.

Appendix B

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS (LITTLE OR NO FINES)	GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
			GP	POORLY GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)	GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
			GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING NO. 4 SIEVE	CLEAN SANDS (LITTLE OR NO FINES)	SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
			SP	POORLY GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)	SM	SILTY SANDS, SAND - SILT MIXTURES
			SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
			CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
			OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
			CH	INORGANIC CLAYS OF HIGH PLASTICITY
			OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS			PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: Dual symbols are used to indicate gravels or sand with 5-12% fines and soils with fines classifying as CL-ML. Symbols separated by a slash indicate borderline soil classifications.

Sampler and Symbol Descriptions

- Modified California sample (D-#)
 - ▣ Standard Penetration Test (S-#)
 - ▢ Shelby tube sample (T-#)
 - ▣ Large bulk sample (B-#)
 - ▣ Small bulk sample (SB-#)
 - ▽ Approximate depth of groundwater during drilling
 - ▽ Approximate depth of static groundwater
- Note: Number of blows required to advance driven sample 12 inches (or length noted).

Laboratory and Field Test Abbreviations

- AL** Atterberg limits (plasticity)
- CC** Chemical Testing incl. Soluble Sulfate
- CN** Consolidation
- DS** Direct Shear
- EI** Expansion Index
- GS** Grain Size Analysis (Sieve, Hydro. and/or -No. 200)
- MD** Maximum Density and Optimum Moisture
- RV** Resistance Value (R-Value)
- SE** Sand Equivalent
- UU** Unconsolidated Undrained Shear Strength

Notes:

- Soil classifications are based on the Unified Soil Classification System and include color, moisture, and relative density or consistency. Field descriptions have been modified to reflect results of laboratory tests where deemed appropriate. Bedrock descriptions are based on visual classification and include rock type, moisture, color, grain size, strength, and weathering.
- Descriptions on these boring logs apply only at the specific boring locations and at the time the borings were drilled. They are not warranted to be representative of subsurface conditions at other locations or times.



KEY TO LOG OF BORING

Date(s)Drilled: 5-20-2024	Logged By: AC/PA	H-1	Page 1 of 3
Drilling Method: Hollow Stem	Drill Bit Size/Type: 8"		
Drill Rig Type: CME 75	Hammer Type: Auto (140lbs @ 30")		
Sampling Method(s): Modified California, Bulk		Total Depth Drilled (ft)	66.5
Approximate Groundwater Depth: Groundwater Not Encountered.		Approximate Ground Surface Elevation (ft)	
Comments:			

Depth (ft)	SAMPLES			USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density (pcf)	REMARKS
	Type	Number	Blows Per Foot					
0					Surface: 3" AC, 4.5" AB.			
	B-1				<u>Alluvium (Qal)</u>			B-1 @ 0-5'
	D-1	7		ML	@ 2.5': Brown to reddish brown fine sandy SILT, very moist, medium stiff, root hairs.	19.0	87.0	
5	D-2	11		SM-ML	@ 5': Brown to reddish brown sandy SILT/silty fine SAND, very moist, medium stiff/medium dense, root hairs.	17.9	104.7	
	D-3	13		SM	@ 7.5': Brown silty fine SAND, damp to moist, medium dense, trace coarse gravel.	9.8	116.4	
10	D-4	14		SM	@ 10': Brown silty fine SAND, moist, medium dense, trace fine to coarse gravel and cobbles.	16.3	104.9	
15	D-5	21		SM	@ 15': Brown to reddish brown silty fine SAND, moist, medium dense, soil pores, roots.	13.6	115.5	
20	D-6	23		SM	@ 20': Brown to reddish brown silty fine SAND with coarse gravel, damp, medium dense, trace soil pores.	9.5	118.0	
25	D-7	24		SM	@ 25': Brown to reddish brown silty fine SAND, damp, medium dense, interbeds of fine to coarse clean sand.	9.1	103.4	
30								

Log Of Boring		
Meritage Homes Proposed Residential Development 2020 East 1 st Street Santa Ana, California	Project Number: 23050-01 Appendix B	

Date(s) Drilled: 5-20-2024		Logged By: AC/PA		H-1
Drilling Method: Hollow Stem		Drill Bit Size/Type: 8"		
Drill Rig Type: CME 75		Hammer Type: Auto (140lbs @ 30")		
Sampling Method(s): Modified California, Bulk				Total Depth Drilled (ft) 66.5
Approximate Groundwater Depth: Groundwater Not Encountered.				Approximate Ground Surface Elevation (ft)
Comments:				

Depth (ft)	SAMPLES			USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density (pcf)	REMARKS
	Type	Number	Blows Per Foot					
30	D-8	46		SM	@ 30': Brown to reddish brown silty SAND, damp, dense, soil pores with gray alteration, thin sandy interbeds.	7.5	124.6	
35	D-9	32			@ 35': No sample recovery.			
40	D-10	15		SP CL	@ 40': Upper: Yellowish brown to reddish brown fine to coarse SAND with coarse gravel, moist, medium dense. Lower: Reddish brown sandy CLAY, very moist, stiff.	23.8	100.4	
45	D-11	71		SP-GP	@ 45': Yellowish gray sandy fine to coarse GRAVEL/gravelly fine to coarse SAND, moist, very dense. - SAMPLE DISTURBED -	1.7		
50	D-12	74		SP	@ 50': Yellowish gray fine to coarse gravelly SAND, damp to moist, friable, very dense.	1.9		
55	D-13	50/6"			@ 55': No sample recovery.			
60								

Log Of Boring		
Meritage Homes Proposed Residential Development 2020 East 1 st Street Santa Ana, California	Project Number: 23050-01 Appendix B	

Date(s)Drilled: 5-20-2024	Logged By: AC/PA	H-1 Page 3 of 3
Drilling Method: Hollow Stem	Drill Bit Size/Type: 8"	
Drill Rig Type: CME 75	Hammer Type: Auto (140lbs @ 30")	
Sampling Method(s): Modified California, Bulk		Total Depth Drilled (ft) 66.5
Approximate Groundwater Depth: Groundwater Not Encountered.		Approximate Ground Surface Elevation (ft)
Comments:		

Depth (ft)	SAMPLES			USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density (pcf)	REMARKS
	Type	Number	Blows Per Foot					
60	D-14	56		SM	@ 60': Reddish brown to brown silty fine SAND, moist, medium dense.	12.2	117.4	
				SP-SM	@ 61': Reddish brown to brownish gray fine to coarse gravelly SAND with silt, damp to moist, dense.			
65	D-15	28		SC	@ 65': Mottled reddish brown to brownish gray clayey fine SAND with silt, moist to very moist, medium dense.	16.0	114.0	
70					Notes: Total Depth: 66.5 Feet. Groundwater Not Encountered. Backfilled with Cuttings and Tamped. Asphalt Patched with Cold Patch Asphalt.			
75								
80								
85								
90								

Log Of Boring		
Meritage Homes Proposed Residential Development 2020 East 1 st Street Santa Ana, California	Project Number: 23050-01 Appendix B	

Date(s)Drilled: 5-20-2024	Logged By: AC/PA	P-1	Page 1 of 2
Drilling Method: Hollow Stem	Drill Bit Size/Type: 8"		
Drill Rig Type: CME 75	Hammer Type: Auto (140lbs @ 30")		
Sampling Method(s): Modified California, Bulk		Total Depth Drilled (ft)	45
Approximate Groundwater Depth: Groundwater Not Encountered.		Approximate Ground Surface Elevation (ft)	
Comments:			

Depth (ft)	SAMPLES			USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density (pcf)	REMARKS
	Type	Number	Blows Per Foot					
0					Surface: 4" AC, 3.5" AB.			
	B-1				<u>Alluvium (Qal)</u>			B-1 @ 0-5'
	D-1	7		SM-ML	@ 2.5': Brown silty fine SAND/sandy SILT, moist, loose/medium stiff, soil pores, root hairs.	17.6	97.9	
5	D-2	8		SM-ML	@ 5': Brown silty fine SAND/sandy SILT, moist, loose/medium stiff, soil pores, root hairs, less silty in sampler tip.	16.4	94.2	
	D-3	22		SM	@ 7.5': Brown to reddish brown silty fine SAND with fine to coarse gravel, moist, medium dense.	13.0	105.3	
10	D-4	13		SM	@ 10': Brown to reddish brown silty fine SAND, moist, medium dense, soil pores.	13.0	99.9	
15	D-5	15		SM	@ 15': Brown to reddish brown silty fine SAND, moist, medium dense.	12.7	118.0	
20	D-6	21		SM	@ 20': Brown to reddish brown silty fine SAND, moist, medium dense, soil pores with gray alteration.	17.8	112.9	
25	D-7	23		SM	@ 25': Reddish brown to yellowish brown slightly silty fine to medium SAND, damp, medium dense, trace coarse gravel.	6.8	118.6	
30								

Log Of Boring		
Meritage Homes Proposed Residential Development 2020 East 1 st Street Santa Ana, California	Project Number: 23050-01 Appendix B	

Date(s)Drilled: 5-20-2024	Logged By: AC/PA	P-1	Page 2 of 2
Drilling Method: Hollow Stem	Drill Bit Size/Type: 8"		
Drill Rig Type: CME 75	Hammer Type: Auto (140lbs @ 30")		
Sampling Method(s): Modified California; Bulk		Total Depth Drilled (ft)	45
Approximate Groundwater Depth: Groundwater Not Encountered.		Approximate Ground Surface Elevation (ft)	
Comments:			

Depth (ft)	SAMPLES			USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density (pcf)	REMARKS
	Type	Number	Blows Per Foot					
30	D-8	33		SM	@ 30': Reddish brown silty fine SAND, moist, dense, soil pores with gray alteration.	13.6	117.6	
35	D-9	61		SM	@ 35': Upper: Reddish brown to yellowish brown slightly silty fine to medium SAND, damp, dense.	3.3	112.3	
				SP	Lower: Yellowish brown to yellowish gray fine to coarse gravelly SAND, damp, very dense.			
40	D-10	15		ML	@ 40': Reddish brown fine sandy SILT, very moist, stiff.	23.1	98.9	GS
	D-11	50/6"		ML	@ 43': Upper: Reddish brown fine sandy SILT, very moist, stiff.	13.5	107.2	GS
45				SP	Lower: Reddish brown to gray fine to coarse gravelly SAND, damp, very dense. – SAMPLE DISTURBED –			
50					Notes: Total Depth: 45 Feet. Groundwater Not Encountered. 10' Slotted; 35' Solid 2" Well Pipe Installed. Annular Backfill with No. 3 Sand. Presoak Performed 5/20/24. Percolation Testing Performed 5/21/24. Pipe Removed and Backfilled with Cuttings/Sand. Asphalt Patched with Quickset.			
55								
60								

Log Of Boring		
Meritage Homes Proposed Residential Development 2020 East 1 st Street Santa Ana, California	Project Number: 23050-01 Appendix B	

Date(s)Drilled: 5-20-2024	Logged By: AC/PA	P-2	Page 1 of 2
Drilling Method: Hollow Stem	Drill Bit Size/Type: 8"		
Drill Rig Type: CME 75	Hammer Type: Auto (140lbs @ 30")		
Sampling Method(s): Modified California, Bulk		Total Depth Drilled (ft)	50
Approximate Groundwater Depth: Groundwater Not Encountered.		Approximate Ground Surface Elevation (ft)	
Comments:			

Depth (ft)	SAMPLES			USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density (pcf)	REMARKS
	Type	Number	Blows Per Foot					
0					Surface: 3" AC, 4.5" AB.			
	B-1				<u>Alluvium (Qal)</u>			B-1 @ 0-5' AL, GS, EI, CC
	D-1	5		CL	@ 2.5': Brown slightly silty CLAY, very moist to wet, soft.	31.7	83.6	
5	D-2	7		CL	@ 5': Brown to reddish brown silty CLAY, moist, medium stiff, trace fine sand.	17.9	106.2	AL
	D-3	19		SP	@ 7.5': Yellowish brown fine to coarse gravelly SAND, moist, medium dense, trace silt.	4.0	107.2	
10	D-4	8		SM-ML	@ 10': Brown to reddish brown silty fine SAND, moist, medium stiff, less silty in sampler tip.	25.1	91.8	
15	D-5	12		SM-ML	@ 15': Brown to reddish brown silty fine SAND/sandy SILT, damp to moist, medium dense/medium stiff.	17.7	107.0	
20	D-6	11		SM-ML	@ 20': Brown to reddish brown silty fine SAND/sandy SILT, moist, medium dense/medium stiff, soil pores.	18.8	106.4	
25	D-7	13		SP-SM	@ 25': Yellowish brown to reddish brown fine to coarse SAND with silt, damp, medium dense, trace coarse gravel.	13.6	106.2	AL
				CL	@ 26': Reddish brown silty CLAY, moist, medium stiff, trace fine sand.			
30								

Log Of Boring		
Meritage Homes Proposed Residential Development 2020 East 1 st Street Santa Ana, California	Project Number: 23050-01 Appendix B	

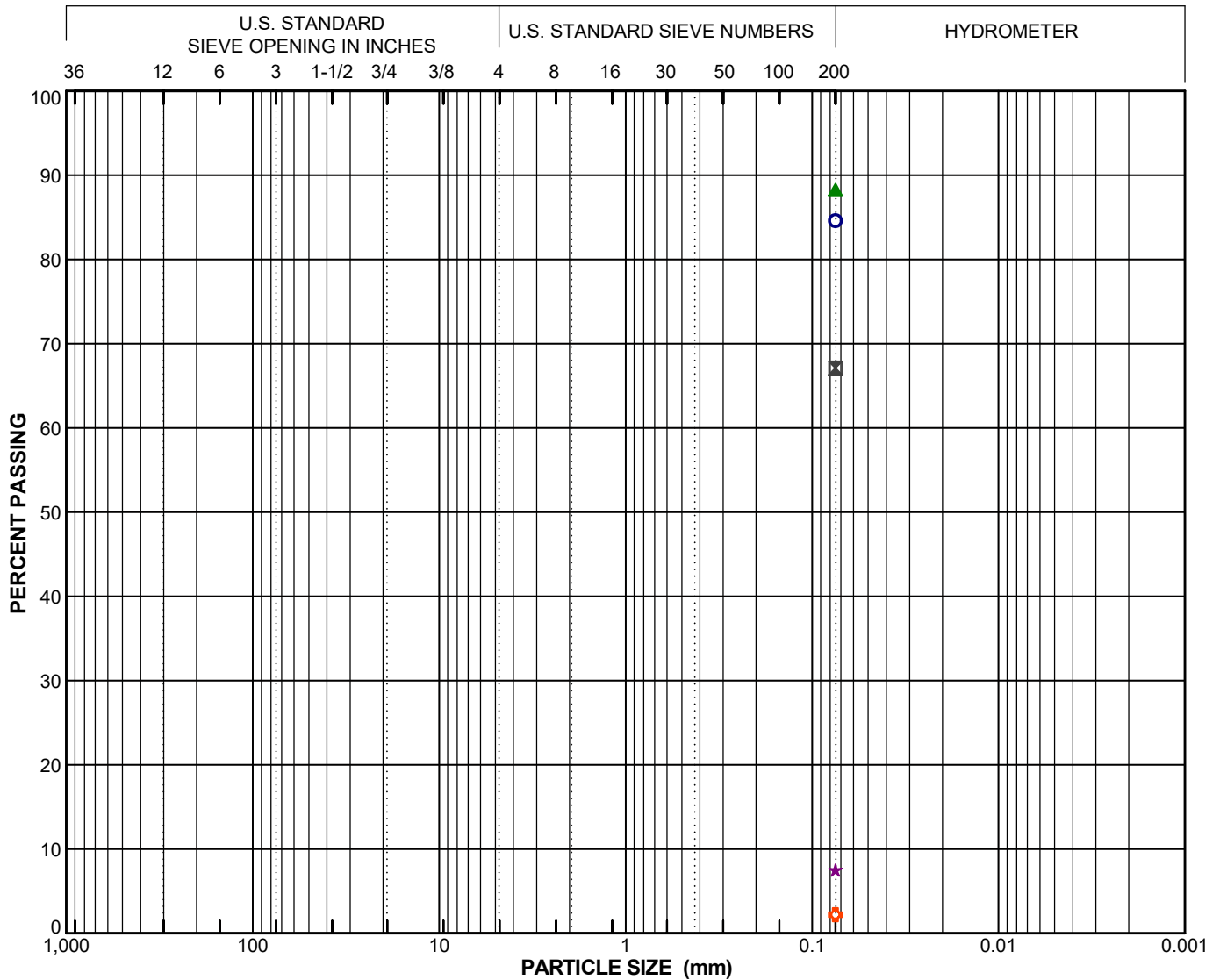
Date(s)Drilled: 5-20-2024	Logged By: AC/PA	P-2
Drilling Method: Hollow Stem	Drill Bit Size/Type: 8"	
Drill Rig Type: CME 75	Hammer Type: Auto (140lbs @ 30")	
Sampling Method(s): Modified California, Bulk		Total Depth Drilled (ft) 50
Approximate Groundwater Depth: Groundwater Not Encountered.		Approximate Ground Surface Elevation (ft)
Comments:		

Depth (ft)	SAMPLES			USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density (pcf)	REMARKS
	Type	Number	Blows Per Foot					
30	D-8	12		ML-CL	@ 30': Mottled reddish brown and brownish gray silty CLAY/clayey SILT, very moist, medium stiff, trace fine sand.	22.0	100.5	
35	D-9	42		SP-SM	@ 35': Yellowish gray to reddish brown fine to coarse SAND with silt, damp to moist, medium dense, silty interbeds.	5.0	106.0	
40	D-10	25		SM	@ 40': Reddish brown silty fine SAND, moist, medium dense, trace medium sand.	11.8	116.0	
45	D-11	64		SP-SM	@ 43': Yellowish gray to reddish gray fine to coarse SAND with silt and gravel, damp, dense.	3.7	116.8	GS
	D-12	51		SP	@ 47': Yellowish gray medium to coarse SAND with fine gravel, damp, dense.	2.6	114.9	GS
50					Notes: Total Depth: 50 Feet. Groundwater Not Encountered. Annular Backfill with No. 3 Sand. 10' Slotted; 40' Solid Well Pipe Installed. Presoak Performed 5/20/24. Percolation Testing Performed 5/21/24. Pipe Removed and Backfilled with Cuttings/Sand. Asphalt Patched with Quickset.			
55								
60								

Log Of Boring		
Meritage Homes Proposed Residential Development 2020 East 1 st Street Santa Ana, California	Project Number: 23050-01 Appendix B	

Appendix C

BOULDERS	COBBLES	GRAVEL		SAND			SILT OR CLAY
		coarse	fine	coarse	medium	fine	



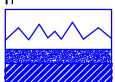
Symbol	Boring Number	Sample Number	Depth (feet)	Field Moisture (%)	LL	PI	Activity PI/-2 μ	C _u	C _c	Passing No. 200 Sieve (%)	Passing 2 μ (%)	USCS
○	P-1	D-10	40.0	23						85		ML
⊗	P-1	D-11	43.0	13						67		ML
▲	P-2	B-1	0.0 - 5.0		38	16				88		CL
★	P-2	D-11	43.0	4						8		SP-SM
◈	P-2	D-12	47.0	3						2		SP

PARTICLE SIZE DISTRIBUTION

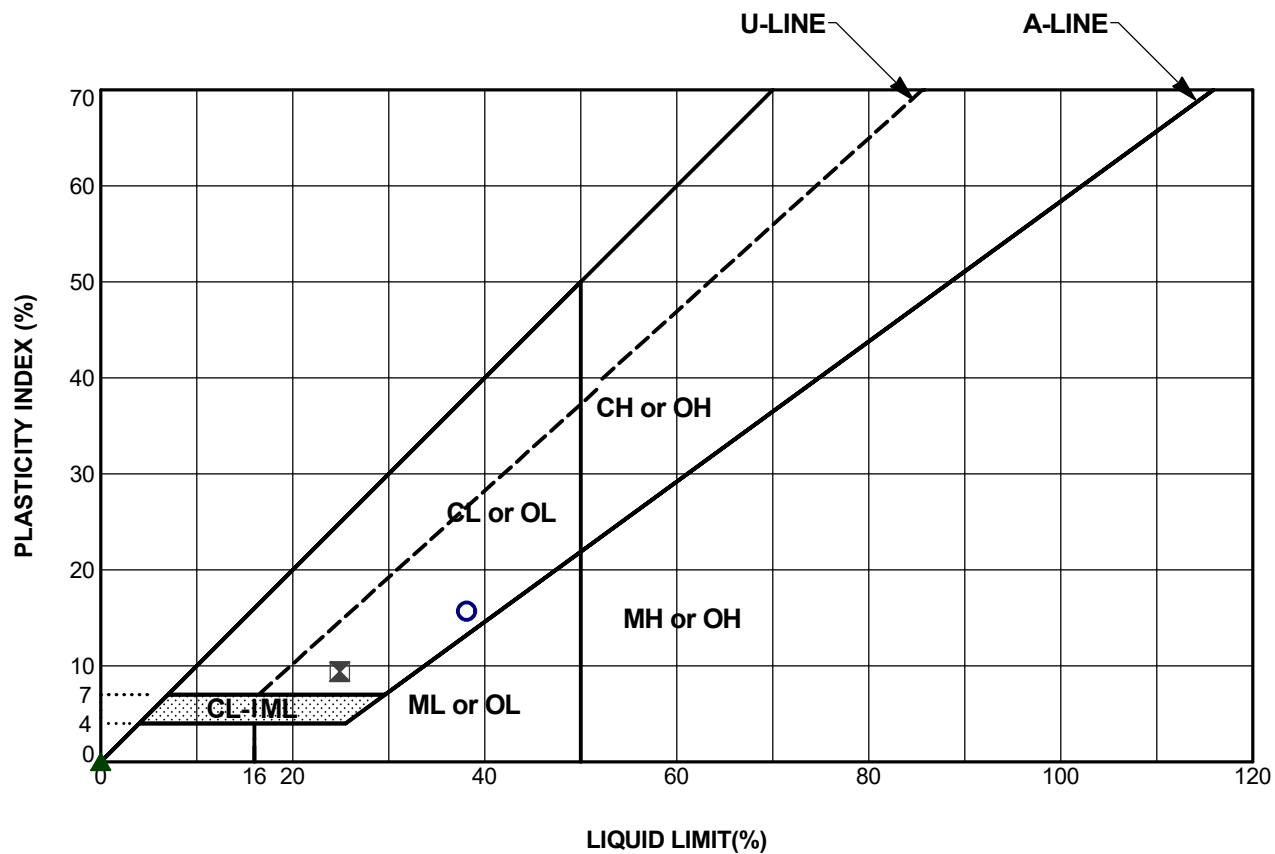
SA Geo / 2020 E. 1st St. (23050-01)

California

PROJECT NO. 22026-98

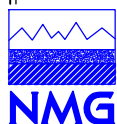


NMG Geotechnical, Inc.



Symbol	Boring Number	Sample Number	Depth (feet)	Passing No. 200 Sieve (%)	LL	PI	USCS	Description
○	P-2	B-1	0.0 - 5.0	88	38	16	CL	Dark yellowish brown silty CLAY
⊠	P-2	D-2	5.0		25	9	CL	Dark brown silty sandy CLAY
▲	P-2	D-7	25.0		NP	NP	SM	Yellowish brown silty SAND

PLASTICITY CHART
SA Geo / 2020 E. 1st St. (23050-01)
California
PROJECT NO. 22026-98



Geotechnical, Inc.

<i>Test Method:</i> ASTM D4829 HACH SF-1 (Turbidimetric)	<i>Notes:</i> 1. Expansion Index (EI) method of determination: [A] E.I. determined by adjusting water content to achieve a 50 ±2% degree of saturation [B] E.I. calculated based on measured saturation within the range of 40% and 60% 2. ASTM D4829 (<i>Classification of Expansive Soil</i>) 3. ACI-318-14 Table 19.3.1.1 (<i>Requirement for Concrete Exposed to Sulfate-Containing Solutions</i>)

(FRM001 Rev.5)

NMG

Appendix D

Percolation Data Sheet

Project Name: Meritage/2020 E First Street

Project Number: 23150-01

Test Hole Number: P-1

Date Excavated: 5/20/2024

Depth (in.): 542.4

Radius (in.): 4

Date Presoak: 5/21/2024

Tested By: AZ

Pipe Diameter (in.): 2

Date Tested: 5/21/2024

Sandy Soil Criteria

Trial Number	Time	Time Interval (mins.)	Initial Water Level (in.)	Final Water Level (in.)	Δ in Water Level (in.)
1	9:35	10	469.2	482.4	13.2
	9:45				
2	9:45	10	470.4	477.6	7.2
	9:55				

Percolation Data

Time	Time Interval (mins.)	Total Elapsed Time (mins)	Initial Depth to Water (in.)	Final Depth to Water (in.)	Δ in Water Level (in.)	Percolation Rate (in./hr.)
9:55	10	10	477.6	486.0	8.4	50.4
10:05						
10:07	10	22	466.8	477.6	10.8	64.8
10:17						
10:17	10	32	477.6	486.6	9.0	54.0
10:27						
10:27	10	42	486.6	494.4	7.8	46.8
10:37						
10:46	10	61	471.6	480.6	9.0	54.0
10:56						
10:58	10	73	480.6	488.4	7.8	46.8
11:08						

Initial Height of Water (Ho) = 61.8

$$I_t = \Delta H(60r)/\Delta t(r+2H_{avg})$$

Final Height of Water (Hf) = 54

$$I_t = 1.56 \text{ in./hr.}$$

Change in Height Over Time (ΔH) = 7.8

$$C \times I_t = \mathbf{0.63 \text{ in./hr.}}$$

Average Head Over Time (Havg) = 57.9

Annulus Gravel/Sand Correction (C) = 0.4

Percolation Data Sheet

Project Name: Meritage/2020 E First Street

Project Number: 23150-01

Test Hole Number: P-2

Date Excavated: 5/20/2024

Depth (in): 600

Radius (in.): 4

Date Presoak: 5/21/2024

Tested By: AC

Pipe Diameter (in.): 2

Date Tested: 5/21/2024

Sandy Soil Criteria

Trial Number	Time	Time Interval (mins.)	Initial Water Level (in.)	Final Water Level (in.)	Δ in Water Level (in.)
1	9:33	1	480	582	102
	9:34				
2	9:36	1	480	598.8	118.8
	9:37				

Percolation Data

Time	Time Interval (mins.)	Total Elapsed Time (mins)	Initial Depth to Water (in.)	Final Depth to Water (in.)	Δ in Water Level (in.)	Percolation Rate (in./hr.)
9:45	1	1	480	581.0	101.0	6060
9:46						
9:47	1	3	480	584.4	104.4	6264
9:48						
9:50	1	6	480	579.7	99.7	5982
9:51						
9:54	1	10	480	583.7	103.7	6222
9:55						
9:57	1	13	480	584.8	104.8	6288
9:58						
9:59	1	15	480	586.4	106.4	6384
10:00						
10:01	1	17	480	586.2	106.2	6372
10:02						
10:03	1	19	480	582.7	102.7	6162
10:04						
10:06	1	22	480	587.3	107.3	6438
10:07						
10:08	1	24	480	585.2	105.2	6312
10:09						

Percolation Data Sheet

Project Name: Meritage/2020 E First Street

Project Number: 23150-01

Test Hole Number: P-2 (Continued)

Date Excavated: 5/20/2024

Depth (in): 600

Radius (in.): 4

Date Presoak: 5/21/2024

Tested By: AC

Pipe Diameter (in.): 2

Date Tested: 5/21/2024

Percolation Data

Time	Time Interval (mins.)	Total Elapsed Time (mins)	Initial Depth to Water (in.)	Final Depth to Water (in.)	Δ in Water Level (in.)	Percolation Rate (in./hr.)
10:14	1	30	480	586.3	106.3	6378
10:15						
10:19	1	35	480	583.6	103.6	6216
10:20						
10:23	1	39	480	586.6	106.6	6396
10:24						
10:26	1	42	480	586.9	106.9	6414
10:27						
10:30	1	45	480	586.0	106.0	6360
10:31						
10:37	1	52	480	587.4	107.4	6444
10:38						
10:41	1	56	480	585.4	105.4	6324
10:42						
10:45	1	60	480	587.0	107.0	6420
10:46						

Initial Height of Water (Ho) = 120

$$I_t = \Delta H(60r)/\Delta t(r+2H_{avg})$$

Final Height of Water (Hf) = 13

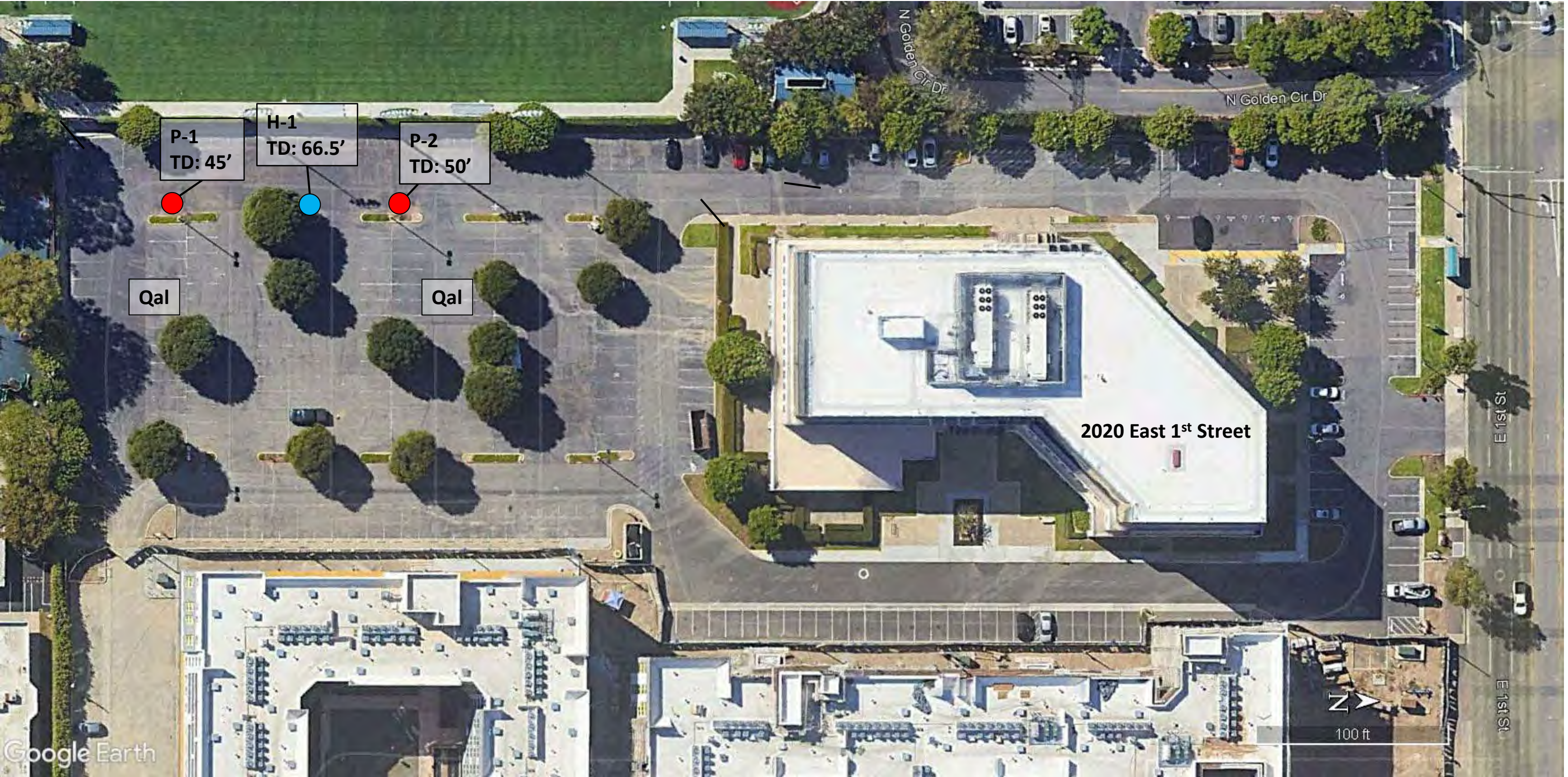
$$I_t = 187.4 \quad \text{in./hr.}$$

Change in Height Over Time (ΔH) = 107

$$C \times I_t = \mathbf{75.0} \quad \text{in./hr.}$$

Average Head Over Time (Havg) = 66.5

Annulus Gravel/Sand Correction (C) = 0.4



Base Map Source: Google Earth

Legend			GEOTECHNICAL MAP		
H-1	TD: 66.5'	Approximate Hollow Stem Auger Boring Location, Showing Total Depth in Feet.	Earth Units Circled Where Buried		S A
P-2	TD: 50'	Approximate Percolation Test Location, Showing Total Depth in Feet.			
			Qal	Alluvium	



June 12, 2024

Project No. 23050-01

To: Meritage Homes
5 Peters Canyon Road, Suite 310
Irvine, California 92606

Attention: Ms. Louisa Feletto

Subject: Addendum Geotechnical Report, Supplemental Exploration and Percolation Testing, Proposed 86-Unit Residential Development, 2020 East First Street, Santa Ana, California

INTRODUCTION

In accordance with your request, SA Geotechnical, Inc. (SA GEO) has conducted a supplemental geotechnical study that included subsurface exploration and percolation testing to provide infiltration rates as part of the Water Quality Management Plan (WQMP) preparation for the subject proposed residential development in the City of Santa Ana, California. The purpose of our study was to evaluate the infiltration potential of subsurface soils and provide geotechnical recommendations for design and construction of stormwater infiltration devices.

The scope of services for this study included review of background geologic data and pertinent geotechnical reports and nearby infiltration studies (see Appendix A), subsurface exploration, percolation testing, laboratory testing, analysis, and preparation of this report.

This report summarizes our findings and conclusions and provides infiltration rates and stormwater related geotechnical recommendations that supersede those presented in our prior report (SA GEO, 2024). All other recommendations provided in our prior report remain valid. The geotechnical boring logs (Appendix B), laboratory test results (Appendix C), and percolation test data (Appendix D), are included at the rear of text.

ATTACHMENTS

Appendix A – References
Appendix B – Boring Logs
Appendix C – Laboratory Test Data
Appendix D – Percolation Test Data Sheets

Plate 1 – Geotechnical Map – Rear of Appendices

SCOPE OF SERVICES

Our scope of services for this supplemental study included the following tasks:

- Review of available geologic maps, reports, and data for the subject site and surrounding area. Our review included geotechnical reports and infiltration studies performed near the subject site. A list of references is included in Appendix A.
- Site reconnaissance to identify the existing site conditions and mark boring locations.
- Notification and coordination with DigAlert to identify and clear underground utilities at the boring locations.
- Drilling, logging, and sampling of three hollow-stem auger borings (H-1, P-1, and P-2) to a maximum depth of 66.5 feet below ground surface (bgs). The approximate boring locations are provided on the Geotechnical Map (Plate 1). Boring logs are included in Appendix B.
- Percolation testing in two borings (P-1 and P-2) in general accordance with the County of Orange WQMP Technical Guidance Document and in coordination with the project civil engineer, C&V Consulting, Inc.
- Laboratory testing of selected samples to determine engineering properties of onsite soils, including in-situ moisture and density, grain size distribution, Atterberg limits, expansion potential, and soluble sulfate content. Laboratory test results are included in Appendix C.
- Geotechnical evaluation, analysis, and calculation of infiltration rates.
- Preparation of this report including our findings, conclusions, preliminary recommendations, and accompanying illustrations.

SA GEO's expertise and scope of services do not include assessment of potential subsurface environmental contaminants or environmental health hazards.

SITE LOCATION AND EXISTING CONDITIONS

The subject site is located at 2020 East First Street, Santa Ana, California. The approximately 3.7-acre, rectangular-shaped site is bound by East First Street to the north, an apartment community to the east, a private school to the south, and Golden Circle Drive and a school athletic field to the west. The site is currently developed with a five-story office building, at-grade asphalt paved parking lot with drive aisles, and landscaping/hardscaping throughout the property.

PROPOSED IMPROVEMENTS

Based on our review of the Conceptual Site Plan, the overall development is proposed to include construction of 12 multifamily buildings (4-story) with a total of 86 units. Per our communications with the project civil engineer, C&V Consulting, Inc., we understand that the preliminary WQMP is proposed to include stormwater infiltration devices (drywells) within the southwesterly portion of the site, between 40 and 60 feet below existing grade.

PRIOR GEOTECHNICAL STUDIES AND PERCOLATION TESTING

As part of our study, we have reviewed relevant geotechnical studies and percolation testing that was performed in the vicinity of the site in addition to the preliminary design report we had prepared for the project (SA GEO, 2024). The reports reviewed are summarized in Appendix A and included sites adjacent to the subject site (2110 and 2114 E. First Street) and in the vicinity of the site (1814 and 1818 E. First Street). These studies included eight total percolation tests at depths ranging from 40 to 55 feet bgs. The measured infiltration rates obtained from these studies ranged from 3.8 to 11.2 inches per hour (no factor of safety applied).

GEOTECHNICAL EXPLORATION

Our subsurface geotechnical exploration was performed on May 20, 2024, and consisted of drilling three 8-inch-diameter, hollow-stem auger borings (H-1, P-1, and P-2) to a maximum depth of 66.5 feet below ground surface (bgs). Borings were geotechnically logged, and samples were collected at selected intervals. Borings P-1 and P-2 were also used to perform percolation testing on May 21, 2024, and were backfilled with soil cuttings and sand at the completion of testing. The pavement was patched with quick-set concrete. The approximate boring locations are shown on Plate 1. Boring logs are included in Appendix B.

Relatively undisturbed ring samples were obtained from the exploratory borings with a 2.5-inch inside-diameter, split-barrel sampler. The samplers were driven into the soil with a 140-pound automatic safety hammer, free-falling 30-inches. The drive samples were also used to obtain a measure of resistance of the soil to penetration (recorded as blows-per-foot on our geotechnical boring logs). Bulk samples were also collected during drilling.

GEOLOGIC SETTING

The subject site is located in the western portion of the Tustin Plain, approximately 4 miles east of the Santa Ana River, within the Peninsular Ranges geomorphic province of Southern California. The site is mapped by the United States Geologic Survey (2006) as underlain by extensive Quaternary-age alluvial fan (Qal) deposits. The alluvium encountered during this and prior explorations generally consisted of brown, reddish brown, and brownish silty/clayey sand, and clean fine to coarse-grained gravelly sands, with local sandy clay and clayey sand layers. The near surface soils are generally fine-grained sandy silts and clays.

GEOTECHNICAL CONDITIONS

The following includes the geotechnical conditions based on this supplemental subsurface exploration and laboratory testing conducted by SA GEO. Prior laboratory test data by others, provided in the referenced report (SA GEO, 2024), are not repeated/included herein. Laboratory test results from this study are included in Appendix C.

Native alluvial soils had in-situ moisture content and dry densities ranging from 1.7 to 31.7 percent and 83.6 to 124.6 pounds per cubic foot (pcf), respectively. Blow counts in the alluvial materials

ranged from 5 to 70+ blows per foot. Alluvial soils were generally found to be damp to very moist and medium dense to very dense/medium stiff to stiff.

Grain-size distribution tests were conducted on one bulk sample collected from the uppermost 5 feet and four ring samples collected at depths of 40, 43, and 47 feet. The bulk sample was classified in accordance with the Unified Soil Classification System (USCS) as silty clay (CL), with a fines content (passing No. 200 sieve) of 88 percent. The ring samples were found to have fines contents of 85 percent (40-foot-deep sample, Boring P-1), 67 percent (43-foot-deep sample, Boring P-1), 8 percent (43-foot-deep sample, Boring P-2), and 2 percent (47-foot-deep sample, Boring P-2) and were given USCS classifications of sandy silt (ML), sand with silt (SP-SM), and sand (SP).

Soil plasticity testing was performed on the bulk sample collected from the uppermost 5 feet and was classified as silty lean clay (CL) with a Plasticity Index (PI) of 16 and Liquid Limit (LL) of 38 percent. Plasticity testing was also performed on the fines portion of two ring samples collected at depths of 5 and 25 feet. The 5-foot sample was classified as silty sandy clay (CL) with a PI of 9 and an LL of 25. The 25-foot sample had less than 50 percent fines, was determined to be non-plastic, and classified as silty sand (SM).

One bulk sample collected from the uppermost 5 feet was tested to determine the expansion potential of the onsite alluvial materials. The sample had an Expansion Index of 72, indicating a "Medium" expansion potential. The soluble sulfate content of the soil was also measured from the same bulk sample. Soluble sulfate content testing indicates the samples may be classified as "S0" per Table 19.3.1.1 of ACI-318-14.

GROUNDWATER

Groundwater was not encountered during this or prior subsurface exploration to a maximum depth of 66.5 feet. Historic high groundwater mapping indicates that groundwater has remained deep below the site, in excess of 40 feet (CDMG, 1998). We have also reviewed groundwater data available through the GeoTracker database for several sites near the subject site. The data indicates groundwater in the vicinity of the site ranges from 63 to 89 feet bgs for monitoring periods between 2002 to 2013. A summary table of the nearby sites reviewed on GeoTracker website/database is provided below.

<i>Site Address</i>	<i>Distance from Subject Site (mi)</i>	<i>Monitoring Period</i>	<i>Depth to Groundwater Range (feet bgs)</i>
320 N Tustin Avenue	0.25	2002 - 2003	83.4 to 85.5
325 N Tustin Avenue	0.30	2003 - 2006	76.9 to 86.3
401 N Tustin Avenue	0.32	2005 - 2013	73.3 to 89.0
1601 E First Street	0.51	2001 - 2007	63.4 to 78.2
395 W First Street	0.58	2002 - 2010	66.9 to 81.2

PERCOLATION TESTING AND INFILTRATION RATE CALCULATION

Percolation testing was performed in Borings P-1 and P-2 on May 21, 2024, in general accordance with the County of Orange WQMP Technical Guidance Document (TGD) (2013). The Percolation Test Method was utilized as outlined in the County of Orange WQMP TGD. Two-inch diameter slotted well pipe and #3 select sand backfill (annular space) were constructed within the hollow-stem auger to prevent caving of the sandy soils during auger extraction and percolation testing. The borings were presoaked and tested to confirm onsite soils fell under the "Sandy Soil" criteria as defined in the guidance documents. Test results were tabulated, and final measurements were used to calculate the infiltration rate per the WQMP TGD.

The County of Orange TGD does not include calculation adjustments to account for the presence of the annular backfill material described above, which, in our experience, overestimates infiltration rates. We have used a correction factor to account for the volume loss due to the annular material, based on the porosity of the select material (#3 sand), the pipe diameter, and the boring diameter. The correction factor (0.4) is noted on the percolation test data sheets (Appendix D).

The calculated infiltration rates are provided below, which include the correction factor discussed above; however, the rates below do not include a factor of safety reduction. A discussion of the design infiltration rates, including required factory of safety, is provided in the following Conclusion and Recommendations Section. The infiltration test results are considered representative of the location and depths the tests were performed.

TABLE 1 – PERCOLATION TEST RESULTS		
<i>Boring No.</i>	<i>Tested Depth (Below Ground Surface)</i>	<i>Calculated Infiltration Rate (in./hr.)</i>
P-1	38.75 to 45	0.63
P-2	40 to 50	75.0

The percolation test results and calculated infiltration rates were found to vary widely with depth of testing. Borings H-1 and P-2 encountered clean sands with gravel (SP, SP-GP) between depths of 45 and 60 feet bgs, resulting in a very high infiltration rate while Boring P-2 encountered fine grained soils to nearly the total depth (44 feet bgs).

CONCLUSIONS AND PRELIMINARY RECOMMENDATIONS

1. General Conclusion

Based on our findings, stormwater infiltration at the subject site is considered feasible from a geotechnical standpoint provided the recommendations included in this report are implemented during design, grading, and construction. The specific recommendations provided in this report supersede those previously reported (SA GEO, 2024); other recommendations previously provided, not included or revised herein, remain valid and should be implemented during design, grading and construction of the site. The recommendations in this report are considered minimum and may be superseded by more stringent requirements of others.

The following recommendations are considered preliminary and should be reviewed and revised as needed once the WQMP is prepared and available for review by SA GEO.

2. Groundwater

Based on our subsurface exploration and review of the prior geotechnical reports and existing groundwater data for the vicinity, the groundwater is anticipated to be more than 65 feet bgs at the site. Proposed infiltration systems will need to meet the required minimum separation from high groundwater (10 feet) per the County of Orange WQMP TGD. Thus, stormwater infiltration should not be performed deeper than 55 feet bgs.

3. Settlement/Hydroconsolidation Potential

The conclusions pertaining to settlement potential provided in the prior report (SA GEO, 2024) remain valid. Based on the recent and prior boring and laboratory test data, we anticipate that introduction of stormwater to the subsurface will have a negligible contribution to the overall settlement potential of onsite soils. We recommend that stormwater infiltration devices have a minimum setback of 10 feet from building foundations.

SA GEO should be provided with the foundation plans and structural loads, once available, in order to further evaluate the potential for post-construction settlement of proposed buildings and associated improvements. The parameters previously provided will then be confirmed/updated based on the planned foundations and loads and analysis.

4. Stormwater Infiltration Feasibility

Based on our evaluation and analysis as described herein, we conclude that onsite stormwater infiltration is geotechnically feasible with deep drywell systems. We recommend using the infiltration data obtained from Boring P-2 test location, which is consistent with the soil data obtained from Boring H-1, for drywalls within the southwestern portion of the site that are 50 to 55 feet deep. Considering the variability of onsite soils, we recommend a factor-of-safety of 10 be applied to the calculated rate. The project civil engineer should determine if additional factors-of-safety are appropriate; however, this should be collaborated with SA GEO during design.

Assuming a factor-of-safety of 10 is applied, a design infiltration rate of **7 inches per hour** may be used for design of infiltration systems (drywalls) that are 50 to 55 feet deep and installed within the southwestern portion of the site (near the test location Boring P-2).

Infiltration systems should be constructed per the recommendations outlined in the County of Orange WQMP TGD. Special care should be taken to limit disturbance to native soils utilized as the infiltration surface such that the infiltration performance is not adversely impacted. We recommend that the infiltration systems have a minimum setback of 10 feet from any building foundations. Proper and routine maintenance should be provided for the infiltration systems in accordance with the TGD and manufacturer's recommendations.

Proposed stormwater infiltration systems should be reviewed by the geotechnical consultant during design to verify conformance with the recommendations provided herein. SA GEO should also observe and evaluate the subsurface soil conditions during excavation for installation devices to confirm the subsurface soil conditions. Additionally, the drywell systems should be tested after installation to verify that the design infiltration rate is achieved.

5. Geotechnical Review of Future Plans

The WQMP should be provided to the geotechnical consultant for review and to verify conformance with the recommendations provided herein. Additional recommendations should be provided upon our review and as needed.

LIMITATIONS

This report has been prepared for the exclusive use of our client, Meritage Homes, within the scope of services requested by our client for the proposed improvements described herein. This report or its contents should not be used or relied upon for other projects or purposes, or by other parties without the acknowledgement of SA GEO and the consultation of a geotechnical professional. The means and methods used by SA GEO for this study are based on local geotechnical standards of practice, care, and requirements of governing agencies. No warranty or guarantee, expressed or implied, is given.

Our findings, conclusions, and recommendations are professional opinions based on interpretations and inferences made from geologic and engineering data from specific locations and depths, observed or collected at a given time. By nature, geologic conditions can vary from point to point, can be very different in-between exploration points, and can also change over time. Our conclusions and recommendations are, by nature, preliminary and subject to verification and/or modification during grading and construction when more subsurface data is exposed.

If you have any questions regarding this report, please contact our office. We appreciate the opportunity to provide our services.

Respectfully submitted,

SA GEOTECHNICAL, INC.



Anthony Zepeda, CEG 2681
Project Geologist



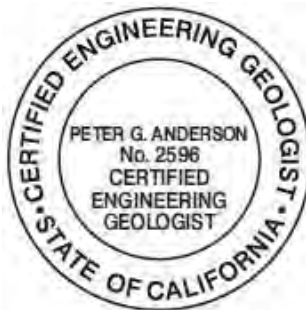
Reza Saberi, GE 3071
Principal Engineer



Peter Anderson, CEG 2596
Principal Engineering Geologist

AZ/RS/PA

Distribution: (1) Addressee (E-mail)
(1) Joy Hendricks, C&V Consulting, Inc. (E-mail)



Appendix A

APPENDIX A

REFERENCES

- Alta California Geotechnical, Inc., 2023, Summary of Additional Infiltration Testing, Cabrillo Project, 1814 and 1818 E. 1st Street, City of Santa Ana, County of Orange, California, Project No. 1-0378, Dated April 14, 2023.
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- SA Geotechnical, Inc., 2024, Geotechnical Due Diligence Study and Preliminary Geotechnical Recommendations, Proposed 86-Unit Residential Development, 2020 East First Street, Santa Ana, California, Project No. 23050-01, Dated February 23, 2024.
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- State of California Water Resources Control Board, 2024, GeoTracker Website, <http://geotracker.waterboards.ca.gov/>
- U.S. Geological Survey, 2006, Geologic Map of the San Bernardino and Santa Ana 30' X 60' Quadrangles, California, dated 2006, Open File Report 2006-1217.

Appendix B

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS (LITTLE OR NO FINES)	GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
			GP	POORLY GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)	GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
			GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
	SAND AND SANDY SOILS	CLEAN SANDS (LITTLE OR NO FINES)	SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
			SP	POORLY GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)	SM	SILTY SANDS, SAND - SILT MIXTURES
			SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50	ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
			CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
			OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50	MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
			CH	INORGANIC CLAYS OF HIGH PLASTICITY
			OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS			PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: Dual symbols are used to indicate gravels or sand with 5-12% fines and soils with fines classifying as CL-ML. Symbols separated by a slash indicate borderline soil classifications.

Sampler and Symbol Descriptions

- Modified California sample (D-#)
 - ▣ Standard Penetration Test (S-#)
 - ▢ Shelby tube sample (T-#)
 - ▣ Large bulk sample (B-#)
 - ▣ Small bulk sample (SB-#)
 - ▽ Approximate depth of groundwater during drilling
 - ▽ Approximate depth of static groundwater
- Note: Number of blows required to advance driven sample 12 inches (or length noted).

Laboratory and Field Test Abbreviations

- AL** Atterberg limits (plasticity)
- CC** Chemical Testing incl. Soluble Sulfate
- CN** Consolidation
- DS** Direct Shear
- EI** Expansion Index
- GS** Grain Size Analysis (Sieve, Hydro. and/or -No. 200)
- MD** Maximum Density and Optimum Moisture
- RV** Resistance Value (R-Value)
- SE** Sand Equivalent
- UU** Unconsolidated Undrained Shear Strength

Notes:

- Soil classifications are based on the Unified Soil Classification System and include color, moisture, and relative density or consistency. Field descriptions have been modified to reflect results of laboratory tests where deemed appropriate. Bedrock descriptions are based on visual classification and include rock type, moisture, color, grain size, strength, and weathering.
- Descriptions on these boring logs apply only at the specific boring locations and at the time the borings were drilled. They are not warranted to be representative of subsurface conditions at other locations or times.



KEY TO LOG OF BORING

Date(s)Drilled: 5-20-2024	Logged By: AC/PA	H-1	Page 1 of 3
Drilling Method: Hollow Stem	Drill Bit Size/Type: 8"		
Drill Rig Type: CME 75	Hammer Type: Auto (140lbs @ 30")		
Sampling Method(s): Modified California, Bulk		Total Depth Drilled (ft)	66.5
Approximate Groundwater Depth: Groundwater Not Encountered.		Approximate Ground Surface Elevation (ft)	
Comments:			

Depth (ft)	SAMPLES			USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density (pcf)	REMARKS
	Type	Number	Blows Per Foot					
0					Surface: 3" AC, 4.5" AB.			
	B-1				<u>Alluvium (Qal)</u>			B-1 @ 0-5'
	D-1	7		ML	@ 2.5': Brown to reddish brown fine sandy SILT, very moist, medium stiff, root hairs.	19.0	87.0	
5	D-2	11		SM-ML	@ 5': Brown to reddish brown sandy SILT/silty fine SAND, very moist, medium stiff/medium dense, root hairs.	17.9	104.7	
	D-3	13		SM	@ 7.5': Brown silty fine SAND, damp to moist, medium dense, trace coarse gravel.	9.8	116.4	
10	D-4	14		SM	@ 10': Brown silty fine SAND, moist, medium dense, trace fine to coarse gravel and cobbles.	16.3	104.9	
15	D-5	21		SM	@ 15': Brown to reddish brown silty fine SAND, moist, medium dense, soil pores, roots.	13.6	115.5	
20	D-6	23		SM	@ 20': Brown to reddish brown silty fine SAND with coarse gravel, damp, medium dense, trace soil pores.	9.5	118.0	
25	D-7	24		SM	@ 25': Brown to reddish brown silty fine SAND, damp, medium dense, interbeds of fine to coarse clean sand.	9.1	103.4	
30								

Log Of Boring		
Meritage Homes Proposed Residential Development 2020 East 1 st Street Santa Ana, California	Project Number: 23050-01 Appendix B	

Date(s)Drilled: 5-20-2024	Logged By: AC/PA	H-1	Page 2 of 3
Drilling Method: Hollow Stem	Drill Bit Size/Type: 8"		
Drill Rig Type: CME 75	Hammer Type: Auto (140lbs @ 30")		
Sampling Method(s): Modified California, Bulk		Total Depth Drilled (ft)	66.5
Approximate Groundwater Depth: Groundwater Not Encountered.		Approximate Ground Surface Elevation (ft)	
Comments:			

Depth (ft)	SAMPLES			USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density (pcf)	REMARKS
	Type	Number	Blows Per Foot					
30	D-8	46		SM	@ 30': Brown to reddish brown silty SAND, damp, dense, soil pores with gray alteration, thin sandy interbeds.	7.5	124.6	
35	D-9	32			@ 35': No sample recovery.			
40	D-10	15		SP	@ 40': Upper: Yellowish brown to reddish brown fine to coarse SAND with coarse gravel, moist, medium dense.	23.8	100.4	
				CL	Lower: Reddish brown sandy CLAY, very moist, stiff.			
45	D-11	71		SP-GP	@ 45': Yellowish gray sandy fine to coarse GRAVEL/gravelly fine to coarse SAND, moist, very dense. - SAMPLE DISTURBED -	1.7		
50	D-12	74		SP	@ 50': Yellowish gray fine to coarse gravelly SAND, damp to moist, friable, very dense.	1.9		
55	D-13	50/6"			@ 55': No sample recovery.			
60								

Log Of Boring		
Meritage Homes Proposed Residential Development 2020 East 1 st Street Santa Ana, California	Project Number: 23050-01 Appendix B	

Date(s)Drilled: 5-20-2024	Logged By: AC/PA	H-1 Page 3 of 3
Drilling Method: Hollow Stem	Drill Bit Size/Type: 8"	
Drill Rig Type: CME 75	Hammer Type: Auto (140lbs @ 30")	
Sampling Method(s): Modified California, Bulk		Total Depth Drilled (ft) 66.5
Approximate Groundwater Depth: Groundwater Not Encountered.		Approximate Ground Surface Elevation (ft)
Comments:		

Depth (ft)	SAMPLES			USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density (pcf)	REMARKS
	Type	Number	Blows Per Foot					
60	D-14	56		SM	@ 60': Reddish brown to brown silty fine SAND, moist, medium dense.	12.2	117.4	
				SP-SM	@ 61': Reddish brown to brownish gray fine to coarse gravelly SAND with silt, damp to moist, dense.			
65	D-15	28		SC	@ 65': Mottled reddish brown to brownish gray clayey fine SAND with silt, moist to very moist, medium dense.	16.0	114.0	
70					Notes: Total Depth: 66.5 Feet. Groundwater Not Encountered. Backfilled with Cuttings and Tamped. Asphalt Patched with Cold Patch Asphalt.			
75								
80								
85								
90								

Log Of Boring		
Meritage Homes Proposed Residential Development 2020 East 1 st Street Santa Ana, California	Project Number: 23050-01 Appendix B	

Date(s)Drilled: 5-20-2024	Logged By: AC/PA	P-1 Page 1 of 2
Drilling Method: Hollow Stem	Drill Bit Size/Type: 8"	
Drill Rig Type: CME 75	Hammer Type: Auto (140lbs @ 30")	
Sampling Method(s): Modified California, Bulk		Total Depth Drilled (ft) 45
Approximate Groundwater Depth: Groundwater Not Encountered.		Approximate Ground Surface Elevation (ft)
Comments:		

Depth (ft)	SAMPLES			USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density (pcf)	REMARKS
	Type	Number	Blows Per Foot					
0					Surface: 4" AC, 3.5" AB.			
	B-1				<u>Alluvium (Qal)</u>			B-1 @ 0-5'
	D-1	7		SM-ML	@ 2.5': Brown silty fine SAND/sandy SILT, moist, loose/medium stiff, soil pores, root hairs.	17.6	97.9	
5	D-2	8		SM-ML	@ 5': Brown silty fine SAND/sandy SILT, moist, loose/medium stiff, soil pores, root hairs, less silty in sampler tip.	16.4	94.2	
	D-3	22		SM	@ 7.5': Brown to reddish brown silty fine SAND with fine to coarse gravel, moist, medium dense.	13.0	105.3	
10	D-4	13		SM	@ 10': Brown to reddish brown silty fine SAND, moist, medium dense, soil pores.	13.0	99.9	
15	D-5	15		SM	@ 15': Brown to reddish brown silty fine SAND, moist, medium dense.	12.7	118.0	
20	D-6	21		SM	@ 20': Brown to reddish brown silty fine SAND, moist, medium dense, soil pores with gray alteration.	17.8	112.9	
25	D-7	23		SM	@ 25': Reddish brown to yellowish brown slightly silty fine to medium SAND, damp, medium dense, trace coarse gravel.	6.8	118.6	
30								

Log Of Boring		
Meritage Homes Proposed Residential Development 2020 East 1 st Street Santa Ana, California	Project Number: 23050-01 Appendix B	

Date(s)Drilled: 5-20-2024	Logged By: AC/PA	P-1	Page 2 of 2
Drilling Method: Hollow Stem	Drill Bit Size/Type: 8"		
Drill Rig Type: CME 75	Hammer Type: Auto (140lbs @ 30")		
Sampling Method(s): Modified California; Bulk		Total Depth Drilled (ft)	45
Approximate Groundwater Depth: Groundwater Not Encountered.		Approximate Ground Surface Elevation (ft)	
Comments:			

Depth (ft)	SAMPLES			USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density (pcf)	REMARKS
	Type	Number	Blows Per Foot					
30	D-8	33		SM	@ 30': Reddish brown silty fine SAND, moist, dense, soil pores with gray alteration.	13.6	117.6	
35	D-9	61		SM	@ 35': Upper: Reddish brown to yellowish brown slightly silty fine to medium SAND, damp, dense.	3.3	112.3	
				SP	Lower: Yellowish brown to yellowish gray fine to coarse gravelly SAND, damp, very dense.			
40	D-10	15		ML	@ 40': Reddish brown fine sandy SILT, very moist, stiff.	23.1	98.9	GS
	D-11	50/6"		ML	@ 43': Upper: Reddish brown fine sandy SILT, very moist, stiff.	13.5	107.2	GS
45				SP	Lower: Reddish brown to gray fine to coarse gravelly SAND, damp, very dense. – SAMPLE DISTURBED –			
50					Notes: Total Depth: 45 Feet. Groundwater Not Encountered. 10' Slotted; 35' Solid 2" Well Pipe Installed. Annular Backfill with No. 3 Sand. Presoak Performed 5/20/24. Percolation Testing Performed 5/21/24. Pipe Removed and Backfilled with Cuttings/Sand. Asphalt Patched with Quickset.			
55								
60								

Log Of Boring		
Meritage Homes Proposed Residential Development 2020 East 1 st Street Santa Ana, California	Project Number: 23050-01 Appendix B	

Date(s)Drilled: 5-20-2024	Logged By: AC/PA	P-2	Page 1 of 2
Drilling Method: Hollow Stem	Drill Bit Size/Type: 8"		
Drill Rig Type: CME 75	Hammer Type: Auto (140lbs @ 30")		
Sampling Method(s): Modified California, Bulk		Total Depth Drilled (ft)	50
Approximate Groundwater Depth: Groundwater Not Encountered.		Approximate Ground Surface Elevation (ft)	
Comments:			

Depth (ft)	SAMPLES			USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density (pcf)	REMARKS
	Type	Number	Blows Per Foot					
0					Surface: 3" AC, 4.5" AB.			
	B-1				<u>Alluvium (Qal)</u>			B-1 @ 0-5' AL, GS, EI, CC
	D-1	5		CL	@ 2.5': Brown slightly silty CLAY, very moist to wet, soft.	31.7	83.6	
5	D-2	7		CL	@ 5': Brown to reddish brown silty CLAY, moist, medium stiff, trace fine sand.	17.9	106.2	AL
	D-3	19		SP	@ 7.5': Yellowish brown fine to coarse gravelly SAND, moist, medium dense, trace silt.	4.0	107.2	
10	D-4	8		SM-ML	@ 10': Brown to reddish brown silty fine SAND, moist, medium stiff, less silty in sampler tip.	25.1	91.8	
15	D-5	12		SM-ML	@ 15': Brown to reddish brown silty fine SAND/sandy SILT, damp to moist, medium dense/medium stiff.	17.7	107.0	
20	D-6	11		SM-ML	@ 20': Brown to reddish brown silty fine SAND/sandy SILT, moist, medium dense/medium stiff, soil pores.	18.8	106.4	
25	D-7	13		SP-SM	@ 25': Yellowish brown to reddish brown fine to coarse SAND with silt, damp, medium dense, trace coarse gravel.	13.6	106.2	AL
				CL	@ 26': Reddish brown silty CLAY, moist, medium stiff, trace fine sand.			
30								

Log Of Boring		
Meritage Homes Proposed Residential Development 2020 East 1 st Street Santa Ana, California	Project Number: 23050-01 Appendix B	

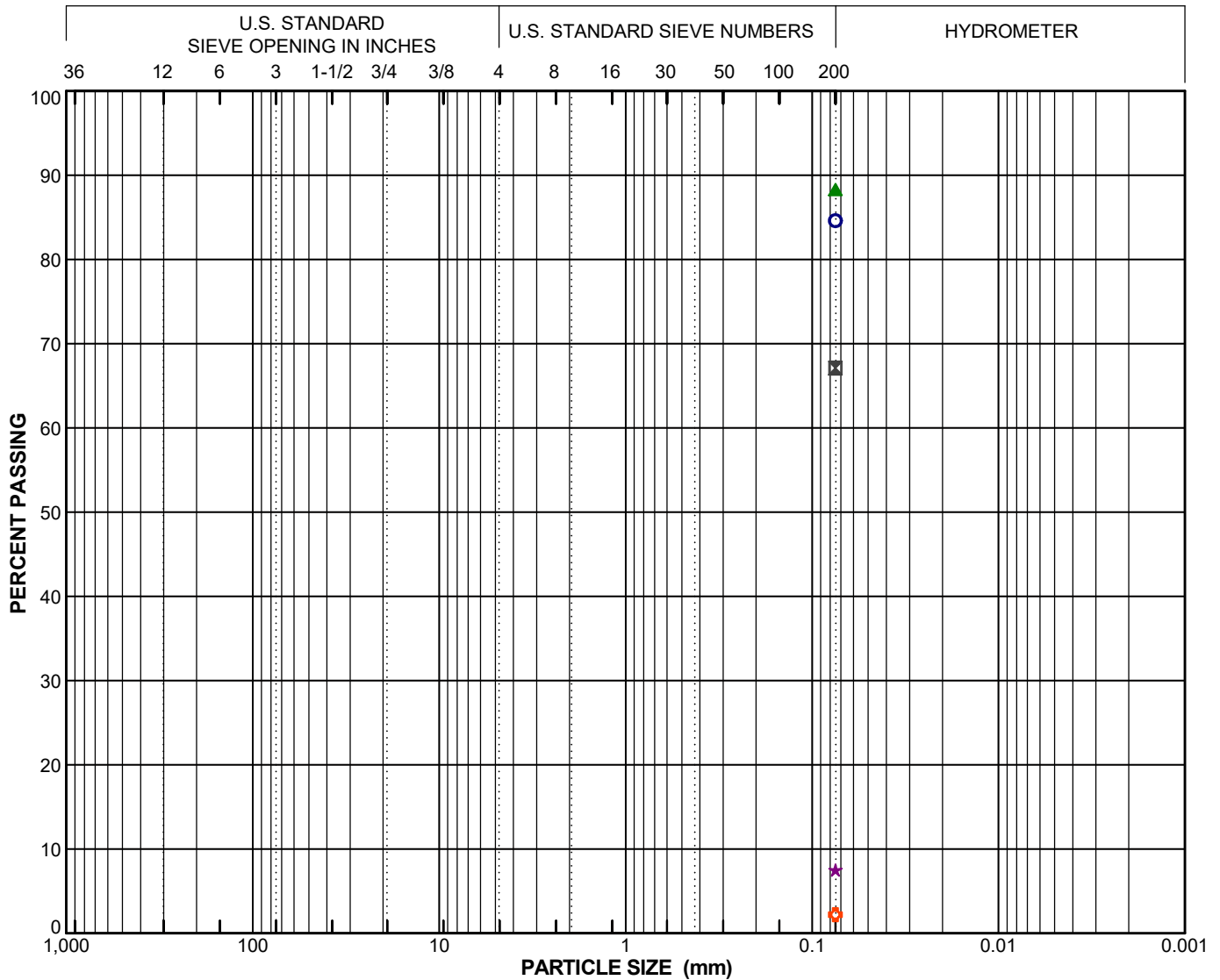
Date(s)Drilled: 5-20-2024	Logged By: AC/PA	P-2 Page 2 of 2
Drilling Method: Hollow Stem	Drill Bit Size/Type: 8"	
Drill Rig Type: CME 75	Hammer Type: Auto (140lbs @ 30")	
Sampling Method(s): Modified California, Bulk		Total Depth Drilled (ft) 50
Approximate Groundwater Depth: Groundwater Not Encountered.		Approximate Ground Surface Elevation (ft)
Comments:		

Depth (ft)	SAMPLES			USCS	MATERIAL DESCRIPTION	Moisture Content (%)	Dry Density (pcf)	REMARKS
	Type	Number	Blows Per Foot					
30	D-8	12		ML-CL	@ 30': Mottled reddish brown and brownish gray silty CLAY/clayey SILT, very moist, medium stiff, trace fine sand.	22.0	100.5	
35	D-9	42		SP-SM	@ 35': Yellowish gray to reddish brown fine to coarse SAND with silt, damp to moist, medium dense, silty interbeds.	5.0	106.0	
40	D-10	25		SM	@ 40': Reddish brown silty fine SAND, moist, medium dense, trace medium sand.	11.8	116.0	
45	D-11	64		SP-SM	@ 43': Yellowish gray to reddish gray fine to coarse SAND with silt and gravel, damp, dense.	3.7	116.8	GS
	D-12	51		SP	@ 47': Yellowish gray medium to coarse SAND with fine gravel, damp, dense.	2.6	114.9	GS
50					Notes: Total Depth: 50 Feet. Groundwater Not Encountered. Annular Backfill with No. 3 Sand. 10' Slotted; 40' Solid Well Pipe Installed. Presoak Performed 5/20/24. Percolation Testing Performed 5/21/24. Pipe Removed and Backfilled with Cuttings/Sand. Asphalt Patched with Quickset.			
55								
60								

Log Of Boring		
Meritage Homes Proposed Residential Development 2020 East 1 st Street Santa Ana, California	Project Number: 23050-01 Appendix B	

Appendix C

BOULDERS	COBBLES	GRAVEL		SAND			SILT OR CLAY
		coarse	fine	coarse	medium	fine	



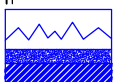
Symbol	Boring Number	Sample Number	Depth (feet)	Field Moisture (%)	LL	PI	Activity PI/-2 μ	C _u	C _c	Passing No. 200 Sieve (%)	Passing 2 μ (%)	USCS
○	P-1	D-10	40.0	23						85		ML
⊗	P-1	D-11	43.0	13						67		ML
▲	P-2	B-1	0.0 - 5.0		38	16				88		CL
★	P-2	D-11	43.0	4						8		SP-SM
◈	P-2	D-12	47.0	3						2		SP

PARTICLE SIZE DISTRIBUTION

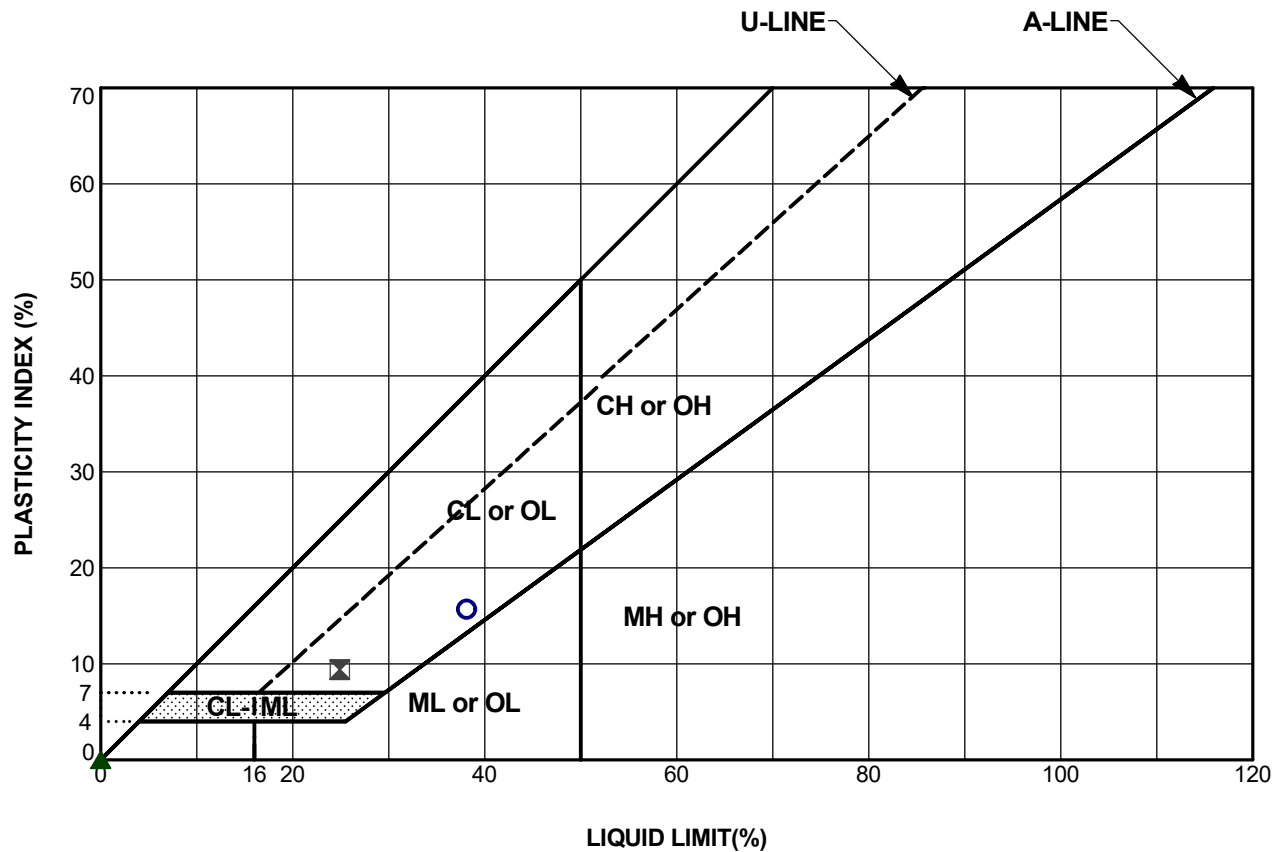
SA Geo / 2020 E. 1st St. (23050-01)

California

PROJECT NO. 22026-98

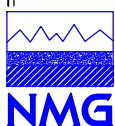


NMG Geotechnical, Inc.



Symbol	Boring Number	Sample Number	Depth (feet)	Passing No. 200 Sieve (%)	LL	PI	USCS	Description
○	P-2	B-1	0.0 - 5.0	88	38	16	CL	Dark yellowish brown silty CLAY
⊠	P-2	D-2	5.0		25	9	CL	Dark brown silty sandy CLAY
▲	P-2	D-7	25.0		NP	NP	SM	Yellowish brown silty SAND

PLASTICITY CHART
SA Geo / 2020 E. 1st St. (23050-01)
California
PROJECT NO. 22026-98



Geotechnical, Inc.

<i>Test Method:</i> ASTM D4829 HACH SF-1 (Turbidimetric)	<i>Notes:</i> 1. Expansion Index (EI) method of determination: [A] E.I. determined by adjusting water content to achieve a 50 ±2% degree of saturation [B] E.I. calculated based on measured saturation within the range of 40% and 60% 2. ASTM D4829 (<i>Classification of Expansive Soil</i>) 3. ACI-318-14 Table 19.3.1.1 (<i>Requirement for Concrete Exposed to Sulfate-Containing Solutions</i>)

(FRM001 Rev.5)

NMG

Appendix D

Percolation Data Sheet

Project Name: Meritage/2020 E First Street

Project Number: 23150-01

Test Hole Number: P-1

Date Excavated: 5/20/2024

Depth (in): 542.4

Radius (in.): 4

Date Presoak: 5/21/2024

Tested By: AZ

Pipe Diameter (in.): 2

Date Tested: 5/21/2024

Sandy Soil Criteria

Trial Number	Time	Time Interval (mins.)	Initial Water Level (in.)	Final Water Level (in.)	Δ in Water Level (in.)
1	9:35	10	469.2	482.4	13.2
	9:45				
2	9:45	10	470.4	477.6	7.2
	9:55				

Percolation Data

Time	Time Interval (mins.)	Total Elapsed Time (mins)	Initial Depth to Water (in.)	Final Depth to Water (in.)	Δ in Water Level (in.)	Percolation Rate (in./hr.)
9:55	10	10	477.6	486.0	8.4	50.4
10:05						
10:07	10	22	466.8	477.6	10.8	64.8
10:17						
10:17	10	32	477.6	486.6	9.0	54.0
10:27						
10:27	10	42	486.6	494.4	7.8	46.8
10:37						
10:46	10	61	471.6	480.6	9.0	54.0
10:56						
10:58	10	73	480.6	488.4	7.8	46.8
11:08						

Initial Height of Water (Ho) = 61.8

$$I_t = \Delta H(60r) / \Delta t(r + 2H_{avg})$$

Final Height of Water (Hf) = 54

$$I_t = 1.56 \quad \text{in./hr.}$$

Change in Height Over Time (ΔH) = 7.8

$$C \times I_t = \mathbf{0.63} \quad \text{in./hr.}$$

Average Head Over Time (Havg) = 57.9

Annulus Gravel/Sand Correction (C) = 0.4

Percolation Data Sheet

Project Name: Meritage/2020 E First Street

Project Number: 23150-01

Test Hole Number: P-2

Date Excavated: 5/20/2024

Depth (in): 600

Radius (in.): 4

Date Presoak: 5/21/2024

Tested By: AC

Pipe Diameter (in.): 2

Date Tested: 5/21/2024

Sandy Soil Criteria

Trial Number	Time	Time Interval (mins.)	Initial Water Level (in.)	Final Water Level (in.)	Δ in Water Level (in.)
1	9:33	1	480	582	102
	9:34				
2	9:36	1	480	598.8	118.8
	9:37				

Percolation Data

Time	Time Interval (mins.)	Total Elapsed Time (mins)	Initial Depth to Water (in.)	Final Depth to Water (in.)	Δ in Water Level (in.)	Percolation Rate (in./hr.)
9:45	1	1	480	581.0	101.0	6060
9:46						
9:47	1	3	480	584.4	104.4	6264
9:48						
9:50	1	6	480	579.7	99.7	5982
9:51						
9:54	1	10	480	583.7	103.7	6222
9:55						
9:57	1	13	480	584.8	104.8	6288
9:58						
9:59	1	15	480	586.4	106.4	6384
10:00						
10:01	1	17	480	586.2	106.2	6372
10:02						
10:03	1	19	480	582.7	102.7	6162
10:04						
10:06	1	22	480	587.3	107.3	6438
10:07						
10:08	1	24	480	585.2	105.2	6312
10:09						

Percolation Data Sheet

Project Name: Meritage/2020 E First Street

Project Number: 23150-01

Test Hole Number: P-2 (Continued)

Date Excavated: 5/20/2024

Depth (in): 600

Radius (in.): 4

Date Presoak: 5/21/2024

Tested By: AC

Pipe Diameter (in.): 2

Date Tested: 5/21/2024

Percolation Data

Time	Time Interval (mins.)	Total Elapsed Time (mins)	Initial Depth to Water (in.)	Final Depth to Water (in.)	Δ in Water Level (in.)	Percolation Rate (in./hr.)
10:14	1	30	480	586.3	106.3	6378
10:15						
10:19	1	35	480	583.6	103.6	6216
10:20						
10:23	1	39	480	586.6	106.6	6396
10:24						
10:26	1	42	480	586.9	106.9	6414
10:27						
10:30	1	45	480	586.0	106.0	6360
10:31						
10:37	1	52	480	587.4	107.4	6444
10:38						
10:41	1	56	480	585.4	105.4	6324
10:42						
10:45	1	60	480	587.0	107.0	6420
10:46						

Initial Height of Water (Ho) = 120

$$I_t = \Delta H(60r)/\Delta t(r+2H_{avg})$$

Final Height of Water (Hf) = 13

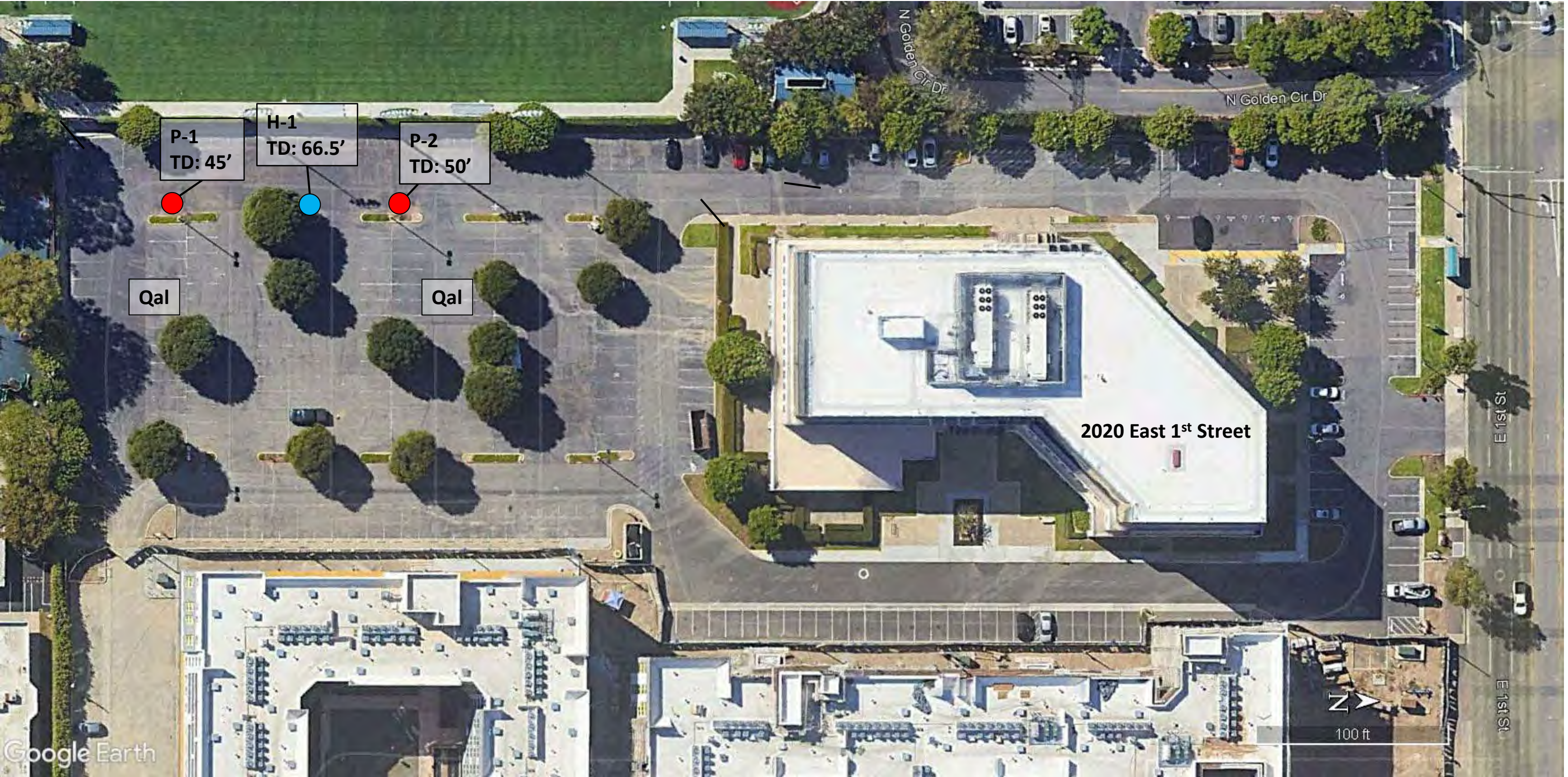
$$I_t = 187.4 \quad \text{in./hr.}$$

Change in Height Over Time (ΔH) = 107

$$C \times I_t = \mathbf{75.0} \quad \text{in./hr.}$$

Average Head Over Time (Havg) = 66.5

Annulus Gravel/Sand Correction (C) = 0.4



Base Map Source: Google Earth

Legend			GEOTECHNICAL MAP		S A
H-1 TD: 66.5'	Approximate Hollow Stem Auger Boring Location, Showing Total Depth in Feet.	Earth Units Circled Where Buried Qal Alluvium	Meritage Homes Proposed Residential Development 2020 East 1 st Street Santa Ana, California	Project Number: 23050-01 Date: June 12, 2024 Plate 1	
P-2 TD: 50'	Approximate Percolation Test Location, Showing Total Depth in Feet.				

ATTACHMENT E:

Hazards and Hazardous Materials Supporting Information



PHASE I ENVIRONMENTAL SITE ASSESSMENT



MAKING A BETTER FUTURE FOR ALL THE COMMUNITIES WE TOUCH

2020 E. 1st Street
Santa Ana, California 92705

PREPARED FOR:

MLC HOLDINGS, INC.
5 PETERS CANYON ROAD, SUITE 310
IRVINE, CALIFORNIA 92606

HILLMANN PROJECT NUMBER: C3-9906
FEBRUARY 29, 2024

Your Property. Our Priority

Environmental Health & Safety | Due Diligence & Remediation Services | Construction Services



February 29, 2024

Ms. Louisa Feletto
MLC Holdings, Inc.
5 Peters Canyon Road, Suite 310
Irvine, California 92606

RE: Phase I Environmental Site Assessment
2020 E. 1st Street
Santa Ana, California 92705
Hillmann Project No: C3-9906

Dear Ms. Louisa Feletto:

Hillmann Consulting LLC has completed a Phase I Environmental Site Assessment at the above referenced site. This assessment was performed in conformance with the scope and limitations of ASTM E1527-21, which is the latest version of the E1527 standard published by the ASTM.

We appreciate the opportunity to provide environmental consulting services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact our office at (714) 634-9500.

Sincerely,

Hillmann Consulting LLC

Kofi Bonner
Project Manager

Ryan Terwilliger
Regional Manager

Your Property. Our Priority

Environmental Health & Safety | Due Diligence & Remediation Services | Construction Services

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LIST OF ACRONYMS/ABBREVIATIONS

Hillmann may use the following abbreviations and acronyms for common terminology described in our report. Not all abbreviations or acronyms may be applicable to this report:

AOC	-Area of Concern
AST	-Above Ground Storage Tank
ASTM	-American Society for Testing Materials
BER	-Business Environmental Risk
CERCLA	-Comprehensive Environmental Response Compensation and Liability Act
CERCLIS	-Comprehensive Environmental Response Compensation and Liability Information System
CESQG	-Conditionally Exempt Small Quantity Generator
COC	-Chemicals of Concern
CORRACTS	-Corrective Action Sites
CREC	-Controlled Recognized Environmental Condition
DEC	-Department of Environmental Conservation
DEP	-Department of Environmental Protection
DHS	-Department of Health Services
DNPL	-Delisted National Priority List
DOB	-Department of Buildings
DOH	-Department of Health
DOT	-Department of Transportation
EPA	-Environmental Protection Agency
ERNS	-Emergency Response Notification System
FD	-Fire Department
FOI/FOIA/FOIL	-Freedom of Information / Freedom of Information Act / Freedom of Information Letter
HVAC	-Heating Ventilation & Air Conditioning
HREC	-Historical Recognized Environmental Condition
IAQ	-Indoor Air Quality
ISRA	-Industrial Site Recovery Act
LBP	-Lead-Based Paint
LCP	-Lead-Containing Paint
LQG	-Large Quantity Generator
LTANK	-Leaking Storage Tank
LUST	-Leaking Underground Storage Tank
SDS/MSDS	-Safety Data Sheet / Material Safety Data Sheet
NA	-Not Applicable
NFA	-No Further Action
NFRAP	-No Further Remedial Actions Planned
NPDES	-National Pollutant Discharge Elimination System
NPL	-National Priorities List
OPRA	-Open Public Records Act
PAH	-Polycyclic Aromatic Hydrocarbon
PCE	-Perchloroethylene
RAO	-Response Action Outcome
RCRA	-Resource Conservation and Recovery Act
RCRIS	-Resource Conservation and Recovery Information System
REC	-Recognized Environmental Concern
SDG	-Significant Data Gap
SEMS	-Superfund Enterprise Management System
SRP	-Site Remediation Program
SQG	-Small Quantity Generator
SVOC	-Semi-Volatile Organic Compound
TCE	-Trichloroethylene
TSDF	-Treatment Storage and/or Disposal Facility
UST	-Underground Storage Tank
VEC	-Vapor Encroachment Condition
VOC	-Volatile Organic Compound

1.0 INTRODUCTION

1.1 Executive Summary

Hillmann Consulting LLC (Hillmann) has performed a Phase I Environmental Site Assessment (ESA) of 2020 E. 1st Street, Santa Ana, California (the Subject Property) in accordance with our contracted scope of work and the ASTM Standard Practice E 1527-21 for Phase I Environmental Site Assessments and All Appropriate Inquiries (AAI) Final Rule 40 CFR Part 312. This section contains a summary of findings, opinions and conclusions made by this assessment. However, this section, alone, does not constitute the complete assessment. The report must be read in its entirety.

Summary of Project Details

Primary Street Address:		2020 E. 1st Street			
City:	Santa Ana	County:	Orange County	State:	California
Tax ID/Parcel Number:		402-191-03			
Property Owner:		2020 E First LLC			
Zoning Designation:		Commercial			
Approx. Property Area:		3.72			
Buildings:		One			
Approx. Building Size:		118,192			
Approx. Year Built:		1985			
Commercial Occupants:		None			
Current Use:		Vacant commercial office building			
Site Visit Personnel:		Kofi Bonner			
Site Contact/Company:		Louisa Feletto / MLC Holdings, Inc.			
Site Escort/Company:		None / None			
Inspection Date:		February 21, 2024			
Weather Conditions:		58° F / Mostly Cloudy			

Findings Summary Table

Assessment Subject	No REC	REC	CREC	HREC	SDG	Rpt. Ref.
Regulatory Records Review:	✓					4.1
Historical Records Review:	✓					4.2
Bulk Petroleum Storage:	✓					6.3
On-Site Operations:	✓					6.3
On-Site Haz-Mat Storage/Use/Spills:	✓					6.3
Transformers/Hydraulic Systems:	✓					6.3
Waste Discharges:	✓					6.3
Interviews:	✓					5.0
Adjoining/Surrounding Area:		✓				4.0 6.2
Prior Env. Reports/User Provided Info:	✓					3.0

1.2 Findings, Opinions and Conclusions

Recognized Environmental Conditions & Significant Data Gaps

Hillmann has performed a Phase I Environmental Site Assessment in accordance with the scope and limitations of ASTM Practice E 1527-21 of the Subject Property as described in [Section 2.2](#) of this report. Any additions to, exceptions to, or deletions from this practice are also described in [Section 2](#) of this report. <<Insert WordBank item>>

RECOGNIZED ENVIRONMENTAL CONDITIONS
Hillmann recommends the following: 1. The northern adjoining property (Golden Circle Plaza) has been occupied by a dry cleaner (Xpress Dry Cleaner) from approximately 2018 until the present. Additionally, a separate dry cleaner (Snowwhite Cleaners) and several other dry-cleaning tenants were present within the tenant space from 1988 to 2014. Snowwhite Cleaners submitted a permit for a PCE solvent dry-cleaning unit in April 1992, which indicates the use and storage of halogenated solvents onsite. The Xpress Dry Cleaner space within the adjoining retail strip is located approximately 234 feet north-northeast and potentially upgradient of the Subject Property. While no reported releases were noted, given the duration of dry-cleaning operations there is the potential for undocumented spills or releases to have occurred. Therefore, the off-site up-gradient dry-cleaners and the associated potential for undocumented spills are considered to be a potential REC and vapor encroachment condition with connection to the Property.
CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS
No CRECs were identified.
SIGNIFICANT DATA GAPS
No SDGs were identified.
RECOMMENDATIONS
Hillmann recommends the following: A Phase II subsurface investigation is recommended to determine whether the historical presence of dry-cleaning facilities on the northern adjoining property (Golden Circle Plaza) has impacted the subsurface of the Subject Property.

Historical Recognized Environmental Conditions (HRECs)

If identified, *historical recognized environmental conditions* (HRECs) in connection with the Subject Property are described below:

HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS
No HRECs were identified.

De Minimis and Other Environmental Conditions

If identified, *de minimis* and other environmental conditions are described below:

OTHER ENVIRONMENTAL CONDITIONS / DE MINIMIS CONDITIONS
1. The Subject Property was historically utilized as an orchard from 1938 to 1966 when it was redeveloped for commercial use. The Property was improved with two (2) large commercial buildings and an associated asphalt-paved parking lot to the south. Although the site was redeveloped, the parking lot area could potentially have concentrated pesticides in the shallow soils below the ground surface from the historic use as an orchard. Hillmann does not consider this a REC, the potential for pesticide and heavy metals contamination should be investigated if the Subject Property is to be redeveloped.
2. The city directory review of the Subject Property indicated that a gasoline service station previously occupied the Property in 1945. The service station, addressed as OClayt Scarborough Service Station was only listed for the year 1945. Hillmann reviewed additional historical record resources for information on the service station, however no information was available. The aerial photograph dated 1946 depicted a small structure on the northeastern portion of the Subject Property but no structures indicating a former gasoline service station were visible. Based on the review of historical record resources, Hillmann believes that the OClayt Scarborough Service Station was listed incorrectly for the Subject Property, and does not constitute an HREC or REC.
3. A review of historical records indicated the Subject Property functioned as an auto dealership from at least 1965 to approximately 1975. While hazardous substances and petroleum products were likely present, no specific information beyond this was available. The Subject Property was redeveloped in 1985 with the current structure and improvements. The current building overlaps with the former dealership area, but no evidence of contamination from past activities was found during the assessment. Considering the passage of time since automotive use ceased, any residual contamination is expected to have naturally degraded, posing minimal environmental concern. Therefore, the historical on-site operations are not expected to represent a REC.
4. The adjoining property to the east addressed as 2114 E 1st Street is listed on several environmental databases. The CERS and CORTESE listings indicated that the site was a "Cleanup Program Site" and a former "Leaking Underground Storage Tank Cleanup Site" with a CERS ID of "T0605901901" and a Site ID of "682643". The CPS-SLIC listing indicated that there was a release on the site on June 23, 1998. FINDS and ECHO listings indicated the site is registered on the RCRA database and with a Registry ID of "110002811137". The HIST UST and SWEEPS UST listings indicated the site previously managed two (2) underground storage tanks. One (1) tank was a 2,000-gallon unleaded gasoline tank and the other was a 1,000-gallon waste oil tank. The LUST listing indicated a status of "Completed – Case Closed" as of 07/28/1994. The soil was potentially affected by heating oil/fuel oil at the address. A leak was first discovered during a tank closure procedure on 06/05/1996. Hillmann reviewed a closure report written by the City of Santa Ana and dated May 28, 1996. According to the closure report, a release of petroleum products was discovered during tank removal activities on October 18, 1995. The report stated that the

discharge was stopped and that the cause was from overfilling of the tank. Remediation actions were taken in the form of over-excavation and disposal of contaminated soil. Based on the details provided above, a REC is not suspected in connection with the Subject Property.

Environmental Professional Statement

I/We declare that, to the best of my professional knowledge and belief, I/we meet the definition of Environmental professional as defined in § 312.10 of 40 C.F.R. 312. I/we have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the subject property. I/We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312.



Ryan Terwilliger
Environmental Professional

1.3 Business Environmental Risks / Non-ASTM Scope

Hillmann has performed a limited review of the following potential *business environmental risks* (BER), also known as “*Non-ASTM Scope*” concerns, in accordance with the contracted scope of work scope for this assessment. Additional details of the scope of work and findings are included in Sections 2 and 7.

Subject	Findings	Not Appl.	Rpt. Ref.
Asbestos	Hillmann was unable to access building interiors to inspect for any ACM.		7.1
Lead Paint	No residential buildings were present at the Property.	✓	7.2
Radon	Property is located in the USEPA radon designation Zone 3 or 'low risk' area for radon.		7.3
Mold/ Microbial Damage	Hillmann was unable to access building interiors to inspect for any moisture/mold/ microbial growth.		7.4
NWI Wetlands	A review of NWI Wetlands Mapper did not indicate regulated wetland areas on the Property.		7.5
Lead in Drinking Water	The scope of work for this assessment included a review of the potential for elevated levels of lead in drinking water by determining the source of the drinking water supply and a review of available compliance or testing data. Potable water service at the Property is provided by a utility connection with the City of Santa Ana. A recently published water quality report from the utility indicated compliance with USEPA water quality standards for lead in drinking water. A copy of the report has been attached in Appendix F.		7.6

2.0 GENERAL

2.1 Purpose and Scope

This assessment was conducted utilizing generally accepted Phase I ESA industry standards in accordance with the ASTM Standard Practice E 1527-21. The ASTM describes these methodologies as representing good commercial and customary practice for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. § 9601) and petroleum products. This practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner or bona fide prospective purchaser limitations on CERCLA liability ("landowner liability protections," or "LLPs"): that is, the practice that constitutes all appropriate inquiries into the previous ownership and uses of the Subject Property consistent with good commercial and customary practice as defined at 42 U.S.C. §9601(35) (B). The goal of the processes established by ASTM E1527-21 is to identify *recognized environmental conditions* in connection with the Subject Property.

The term *recognized environmental condition* (REC) is defined by ASTM E1527-21 as "(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment."

The term *controlled recognized environmental condition* (CREC) is a type of recognized environmental condition and defined by ASTM E1527-21 as a "*recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations).*"

The term *historical recognized environmental condition* (HREC) is defined as a "*previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations).*" The ASTM E1527-21 standard has clarified that a historical recognized environmental condition is not a recognized environmental condition.

The term *de minimis condition* is defined by the ASTM, "...a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies." A condition determined to be a de minimis condition is not REC nor a CREC.

The chief components of this assessment are generally described as follows:

- A non-invasive visual reconnaissance of the Subject Property and adjoining properties in accordance with ASTM guidelines for evidence of RECs.

- Interviews of past and present owners and occupants and state and local government officials, seeking information related to the potential presence of RECs at the Subject Property.
- A review of standard physical record sources for available topographic, geologic and groundwater data.
- A review of standard historical record sources, such as fire insurance maps, city directories, aerial photographs, prior reports and interviews, etc., to determine prior uses of the Subject Property from the present, back to the Subject Property's first developed use, or back to 1940, whichever is earlier.
- A review of standard environmental record sources including federal and state environmental databases, and additional environmental record sources, to identify potential regulatory concerns with the Subject Property, adjoining properties and properties located within the surrounding area.

An evaluation of environmental or other regulatory compliance matters is excluded from the scope of this assessment.

These methodologies are described as representing good commercial and customary practice for conducting an Environmental Site Assessment of a property for the purpose of identifying recognized environmental conditions.

Business Environmental Risks/Non-ASTM Scope Considerations

Hillmann has performed a limited review of the following potential *business environmental risks* (BER), also known as "*Non-ASTM Scope*" concerns, in accordance with the contracted scope of work scope for this assessment. BER is defined by ASTM E 1527-21 as "*a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice.*"

- Asbestos-Containing Materials (ACM): A cursory non-intrusive visual screening for the presence of suspect ACM within the accessed areas of buildings built prior to 1990 on the Subject Property. If the Subject Property contains buildings built in 1990 or later, the contracted scope of work excludes a cursory non-intrusive visual screening or any other level of evaluation for suspect ACM; however, the exclusion for buildings built ≥ 1990 should not be interpreted to suggest that any such buildings are free of ACM or would not warrant evaluation of building materials for ACM prior to disturbance. It is emphasized that this cursory non-intrusive visual screening does not constitute an asbestos survey/inspection of the premises. An asbestos survey/inspection should be sought by the report User(s) if a greater certainty is desired regarding ACM and potential asbestos hazards at the Subject Property. Furthermore, a review of regulatory compliance matters pertaining to asbestos is excluded from the scope of work.
- Lead-Based Paint (LBP): A cursory non-intrusive visual screening of the condition of painted surfaces in the accessed areas of residential buildings/units built prior to 1980 on the Subject Property. If the Subject Property contains buildings built in 1980 or later, the contracted scope of work excludes any cursory non-intrusive visual screening or other level of evaluation for suspect LBP; however, the scope of work exclusion for building built ≥ 1980 should not

be interpreted to suggest that any such buildings are free of LPB or other lead hazards. It is emphasized that this cursory non-intrusive visual screening does not constitute a comprehensive survey for LBP or potential lead hazards. A comprehensive inspection should be sought by the report User(s) if more certainty is desired regarding LBP at the Subject Property. Furthermore, a review of regulatory compliance matters pertaining to lead-based paint is excluded from the scope of work.

- USEPA Designated Radon Potential: Review of general non-site specific data published by the USEPA regarding the Radon Zone classification for the area of the Subject Property.
- Mold/Microbial Damage: A cursory non-intrusive visual screening within the accessed areas of buildings on the Subject Property for evidence of systemic microbial problems, including visible mold growth, water damaged building materials or musty odors. It is emphasized that this cursory non-intrusive visual screening does not constitute a comprehensive survey for moisture/mold/microbial damage. A more comprehensive inspection should be sought by the report User(s) if more certainty is desired regarding the potential for moisture/mold/microbial damages at the Subject Property.
- NWI Wetlands: The Subject Property has been reviewed for jurisdictional wetlands using the National Wetlands Inventory-Wetland Mapper to determine whether mapped federal wetlands have been indicated on the Subject Property. Any further evaluation or legal delineation of regulated wetlands areas is excluded from the scope of work. It is also emphasized that a field delineation of regulated wetlands by a qualified professional would be warranted to more fully determine the presence or absence of regulated wetlands at the Subject Property.
- Lead in Drinking Water: Review of the potential for elevated levels of lead in the drinking water by determining the source of the drinking water supply and a review of available testing or compliance data reports.

2.2 Property Location/Legal Description

Property location and legal description details are described as follows:

Primary Street Address:		2020 E. 1st Street			
City:	Santa Ana	County:	Orange County	State:	California
Tax ID/Parcel Number:		402-191-03			
Approx. Land Area:		3.72			
Apprx. Latitude/Longitude:		North 33.7445100 degrees/West 117.8377450 degrees			
Additional Details (if appl.)		N/A			
Property Owner:		2020 E First LLC			
Zoning Designation:		Commercial			

2.3 Data Gaps

A *data gap* is defined by the ASTM as a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. A data gap is only significant if other information and/or professional experience

raises reasonable concerns involving the data gap and the ability to determine the presence or absence of recognized environmental conditions. The following table summarizes data gaps encountered during the assessment as well as a discussion of their significance.

Data Gap:	Significant (Yes/No)?	Discussion
Historical records data failure	No	The date and/or type of the first developed use of the Subject Property was not determined. Records gaps exceeding five years were encountered; however, no significant site use changes are suspected during these intervals.
Response to agency records requests not received as of date of report.	No	Any additional information indicative of a REC will be forwarded upon receipt.
Hillmann was unable to access the interior of the building on the Subject Property	No	Based on the age of the building it is likely that ACM is present that would need to be removed prior to demolition.

2.4 ESA Report Component Dates/Viability

The ASTM E1527-21 standard states that an environmental site assessment (ESA) is presumed to be viable when it is conducted within 180 days prior to the date of acquisition of the Subject Property (or, for transactions not involving an acquisition such as a lease or refinance, the date of the intended transaction). Specifically, all of the following components must be conducted or updated within 180 days prior to the date of acquisition or prior to the date of the transaction. The following table summarizes the component completion dates:

ESA Component	Completion Date
Interviews:	February 19, 2024
Env. Lien Search:	(excluded from scope)
Government Records Review:	February 6, 2024
Visual Inspections:	February 21, 2024
Env. Professional Declaration:	February 29, 2024

2.5 User Reliance

This report is for the exclusive use of MLC Holdings, Inc. and additional relying entities, if any, named on the front cover. No additional individuals or entities shall be permitted to rely upon any data, interpretation, reports or other information or documentation contained in this report, without first obtaining the consent of MLC Holdings, Inc.; and without obtaining written consent from Hillmann in the form of a reliance agreement/letter.

Hillmann may, in its sole discretion, withhold its consent to additional reliance and/or Hillmann may condition consent for reliance upon payment of a fee or other conditions.

2.6 Significant Assumptions

The following significant assumptions are made:

- The site operations at the time of the site visit are assumed to reflect typical site conditions relative to potential environmental conditions and that no concealment of environmental conditions or releases by site owners or occupants has occurred. Likewise, it is assumed that no areas of the Subject Property with potential environmental concerns or RECs were concealed or otherwise not reported, intentionally or unknowingly, by the Subject Property owners/occupants and/or site escort at the time of the site visit.
- For the purpose of estimating the approximate direction of groundwater flow in the absence of site-specific groundwater data, unless indicated otherwise, an assumption has been made that the gradient of groundwater flow follows the surface topography of the Subject Property and immediate surrounding area.

2.7 General Limitations and Exceptions

Limitations

The report turnaround time specified by the contract agreement for this assessment may present a limitation to the availability of pertinent regulatory agency records. Such limitations, if encountered, would be further specified in [Section 4.1](#).

Significant limitations related to the condition or accessibility of the Subject Property at the time of the site reconnaissance, if encountered, are reported in [Section 6.1](#).

Other Exceptions or Deletions

No other exceptions or deletions from the ASTM Standard E 1527-21 are reported.

Special Terms and Conditions

This Phase I Environmental Site Assessment has been prepared using reasonable efforts in each phase of its work to identify recognized environmental conditions associated with hazardous substances, wastes and petroleum products at the Subject Property. Findings within this report are based on information collected from observations made on the day of the site reconnaissance and from reasonably ascertainable information obtained from governing public agencies and private sources.

This report is not definitive and should not be assumed to be a complete or specific definition of the conditions above or below grade. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation, site development, redevelopment, or other construction purposes. No representation or warranty is made that the past or current operations at the Subject Property are, or have been, in compliance with all applicable federal, state and local laws, regulations and codes.

Findings, conclusions and recommendations presented in this report are based on visual observations of the Subject Property, interviews conducted, the records reviewed, information provided by the Client, and/or a review of readily available and supplied drawings and documents.

No warranty or guarantee is made of the accuracy or completeness of information that was obtained from ostensibly knowledgeable individuals, regulatory agency representatives or other secondary sources, including information obtained during the assessment, whether written, graphic or verbal, provided by the Subject Property contact(s) or as shown on any documents reviewed or received from the Subject Property contact, owner or agent, or government agency source. Independent verification of the accuracy or completeness of all information reviewed or received during the course of this assessment is not made and excluded from the scope of work for this assessment.

Regardless of the findings stated in this report, Hillmann is not responsible for consequences or conditions arising from facts that were concealed, withheld or not fully disclosed at the time the assessment was conducted.

This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

The regulatory database report provided is based on an evaluation of the data collected and compiled by a contracted data research company. Hillmann can neither warrant nor guarantee the accuracy or completeness of the information obtained from the regulatory database report provider during the course of this assessment.

Subsurface conditions may differ from the conditions implied by the surface observations and can only be reliably evaluated through intrusive techniques.

Reasonable efforts have been made during this assessment to identify aboveground and underground storage tanks and ancillary equipment. Reasonable efforts are limited to information gained from visual observation of largely unobstructed areas, recorded database information held in public record and available information gathered from interviews. Such methods may not identify surficial and subsurface features that may have been hidden from view due to parked automobiles and other vehicles, snow cover, vegetative growth, pavement, construction or debris pile storage or incorrect information from sources.

No guarantee, explicit or implied, is made that the records pertaining to historical ownership or occupancy which were reviewed represent a comprehensive or precise delineation of past Property ownership or tenancy for legal purposes.

The ASTM E1527-21 standard states that recommendations are not required to be included in a Phase I ESA report; however, further that recommendations are an additional service that may be useful in the User's analysis of landowner liability protections or business environmental risks; and that the User should consider whether recommendations for additional inquiries or other services are desired.

Recommended response actions offered in [Section 1.3](#), if any, are provided as an option to the Client, and may have taken into account the Client's relation to the Subject Property and/or their intended purpose of this assessment. If included, it is not intended by Hillmann to represent the only course(s) of action, or inaction, to take. Furthermore, it is emphasized that additional response actions may become advisable depending on the outcome of the initial action(s)

taken. Hillmann advises that Client and any additional authorized relying parties as specified on the report Cover and Section 2.5, or via letter of reliance extension, undertake consultation with legal counsel familiar with environmental and real estate law would be beneficial to the decision making process for the type and timing of a response action to identified RECs or Business Environmental Risks, if any.

Due to the limited nature of our review of potential Business Environmental Risks, the User(s) of the report should consider whether to take additional action(s) to further define, properly manage and/or mitigate potential BERs.

The User(s) assumes responsibility for business decisions that it makes utilizing information in the report provided by Hillmann. Hillmann shall not be responsible for any conclusions, interpretations and/or decisions of the User(s).

In the event of any conflict between the terms and conditions of this report and the terms and conditions of the consulting services agreement for this project, the consulting services agreement shall control.

3.0 USER PROVIDED INFORMATION

The term "User" is defined by ASTM as the party seeking to use Practice E1527 to complete an environmental site assessment of the Subject Property; specifically, the entity or entities named on the front cover to which the report has been addressed.

3.1 Prior Environmental Reports/Documentation

The following prior environmental reports/documentation was provided:

Phase I Environmental Site Assessment, 2020 East First Street, Santa Ana, CA; prepared by Partner Engineering and Sciences Inc.; dated January 6, 2021. The report concluded the following:

"This assessment has revealed no evidence of RECs in connection with the Subject Property; however, environmental issues were identified. Based on the conclusions of this assessment, Partner recommends no further investigation of the Subject Property at this time."

3.2 User Responsibilities

A User Questionnaire was provided to the User to assist in gathering information, as detailed below, that is required for disclosure during the assessment to meet All Appropriate Inquiry requirements. If completed and returned to Hillmann, a copy of the Questionnaire has been included in Appendix C. A completed questionnaire was not returned to Hillmann.

Question:	Yes/No:	Detail:
1. Search of Land Title and Judicial Records: Has the User performed a search of land title records and judicial records for environmental liens and/or Activity and Use Limitations (AULs) filed or recorded against the Subject Property?		A completed User Questionnaire was not returned to Hillmann.
1.a. If yes to Question 1: Did the search identify any environmental liens or Activity and Use Limitations (AUL), such as engineering controls, land use restrictions or institutional controls that are in place at the Subject Property and/or have been filed or recorded against the Subject Property under federal, tribal, state or local law?		NA
1.b. If yes to Question 1: Has the User provided the result of the search of land title and judicial records to Hillmann?		NA
2. Specialized knowledge or experience of the person seeking to qualify for the LLP: Do you have any specialized knowledge or experience related to the Subject Property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Subject Property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?		NA

Question:	Yes/No:	Detail:
3. Relationship of the purchase price to the fair market value of the Subject Property if it were not contaminated: Does the purchase price being paid for this property reasonably reflect the fair market value of the Subject Property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Subject Property?		NA
4. Commonly Known or Reasonably Ascertainable Information: Are you aware of commonly known or reasonably ascertainable information about the Subject Property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example:		
4.a. Do you know the past uses of the Subject Property?		NA
4.b. Do you know of specific chemicals that are present or were once present at the Subject Property?		NA
4.c. Do you know of spills or other chemical releases that have taken place at the Subject Property?		NA
4.d. Do you know of any environmental cleanups that have taken place at the Subject Property?		NA
5. The degree of obviousness of the presence or likely presence of contamination at the Subject Property, and the ability to detect the contamination by appropriate investigation: Based on your knowledge and experience related to the Subject Property are there any obvious indicators that point to the presence or likely presence of releases at the Subject Property?		NA
6. Litigation, Administrative Proceedings, Government Notices: As the User of this ESA, do you have knowledge of (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Subject Property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the Subject Property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.		NA
7. User's Reason/Purpose for Performing Phase I ESA:	No response from User.	

4.0 RECORDS REVIEW

4.1 Environmental Information

Physical Setting

Source	Discussion
USGS 7.5 minute Topo Map:	The Subject Property lies at an elevation of approximately 140 feet above mean sea level. An interpretation of topographic contour lines as well as a review of the EDR Geocheck-General Topographic Gradient suggested terrain sloping downward towards the southwest.
USDA Soil Data: (EDR GeoCheck)	The soil type at the Subject Property is classified as "MOCHO". This soil type is described as deep and moderately deep, moderately well and well-drained soils with moderately coarse textures. The soil surface texture is described as loam.
Geologic Data: (EDR GeoCheck)	The geologic formation in the vicinity of the Property is described as the Cenozoic Era, Quaternary Era, and the Quaternary Series
Prior Env. Reports: (Section 3.2)	Prior environmental reports reviewed as part of this assessment, as detailed in Section 3.1, did not provide additional pertinent detail of physical setting data.
Additional Sources/ Data:	No additional physical setting sources or data was obtained.
Groundwater Flow Discussion:	Based on a review of the above information as well as observation of the site, the direction of shallow groundwater flow at the site is inferred to be towards the southwest.

Federal, State and Tribal Environmental Record Sources

Standard government records were obtained and reviewed primarily via a third-party regulatory database report, titled EDR Radius Map™ Report, prepared by Environmental Data Resources of Shelton, CT. The report provided government records from the standard environmental resources and within minimum search distances specified by Section 8.2.2-Table 2 of the ASTM E1527-21; and were reviewed for the purpose of identifying potential RECs in connection with the Subject Property. Additional detail of the source and significance of the regulatory databases can be found in the regulatory database report in Appendix E. Hillmann has also included discussion of records pertaining to the Subject Property from other government record sources not specifically listed under Table 2, as applicable.

Reported distances for adjoining property listings, if applicable, are approximate and indicative of the presence of a public roadway or right-of-way between the adjoining site and Property.

The reported gradients have been estimated based on a number of factors including but not necessarily limited to field observation, review of topographic maps, database listing details and/or site specific geo-technical data.

Limited analysis of the details of on-site, adjoining and vicinity database sites was conducted to identify potential sources of sub-surface vapor encroachment. This review was based on elements of the ASTM "Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions" (ASTM E 2600-15); and also on elements of "Methodology for

Identifying the Area of Concern Around a Property Potentially Impacted by Vapor Migration from Nearby Contaminated Sources” (Buonicore, 2011-S-103-AWMA). Vicinity database sites pertaining to non-petroleum product releases within 1,760 feet of the Subject Property in the up-gradient direction, 365 feet of the Subject Property in the cross gradient direction and 100 feet of the Subject Property in the down gradient direction; and vicinity database sites pertaining to petroleum product releases within 528 feet of the Subject Property in the up-gradient direction, 165 feet of the Subject Property in the cross gradient direction and 100 feet of the Subject Property in the down gradient direction were reviewed to identify active contamination sites with the potential to affect subsurface vapor conditions at the Subject Property. The potential for vapor encroachment was considered in assessing whether or not a REC exists in connection with the Subject Property when reviewing applicable sites within those distances.

Regulatory database sites with active petroleum or non-petroleum releases that are considered to constitute a vapor encroachment condition (VEC) to the Subject Property, if any, are identified and discussed in this section.

The EDR Radius Map report is attached in [Appendix D](#).

Subject Property Listings

The following listings of the Subject Property were identified:

Name/Address:	URS/ 2020 E. 1st Street
Database(s):	AST, FINDS
Data Discussion:	The AST listing indicates that the Subject Property has a permitted UST on the premises. No AST was observed during site reconnaissance. However, no pertinent details were provided on the construction, the size, or the type of fuel stored on the Subject Property. A CERS ID of "10343551" is reported for the Subject Property. The FINDS listing indicates the Subject Property is registered with the EPA, and a Registry ID of "110065855195".
REC Discussion:	Based on the details provided above, a REC is not suspected in connection with the Subject Property.
VEC Discussion:	Based on the reviewed data, a VEC is not suspected.

Name/Address:	Koll Management SVCS/ 2020 E. 1st Street
Database(s):	HWTS
Data Discussion:	The HWTS listing indicates the Subject Property previously transferred hazardous waste materials with an EPA ID of "CAL000138443". According to the listing, the Subject Property was registered as a hazardous waste transfer site from August 4, 1995, to June 30, 1998. No other pertinent information was provided.
REC Discussion:	Based on the details provided above, a REC is suspected in connection with the Subject Property.
VEC Discussion:	Based on the reviewed data, a VEC is not suspected.

Adjoining Property Listings

The following adjoining property listings were identified.

Name/Address:	AECOM/ 2110 E. 1st Street
Database(s):	RCRA NONGEN/NLR
Dist./Dir./Gradient:	133 Feet/ Southeast/ Up-gradient
Data Discussion:	The RCRA NONGEN/NLR listing indicated that the site is listed on the RCRA database as a non-generator of hazardous waste. The listing indicated the site has an EPA ID of "CAC002995313" and has been a non-generator of hazardous wastes since March 2020. No spills or violations were reported for the site.
REC Discussion:	Based on the details provided above, a REC is not suspected in connection with the Subject Property.
VEC Discussion:	Based on the reviewed data, a VEC is not suspected.

Name/Address:	AHLC Santa Ana Family, A California Limited Partner/ 2110 E. 1st Street
Database(s):	RCRA NONGEN/NLR
Dist./Dir./Gradient:	133 Feet/ Southeast/ Up-gradient
Data Discussion:	The RCRA NONGEN/NLR listing indicated that the site is listed on the RCRA database as a non-generator of hazardous waste. The listing indicated the site has an EPA ID of "CAC002995184" and has been a non-generator of hazardous wastes since January 2019. No spills or violations were reported for the site.
REC Discussion:	Based on the details provided above, a REC is not suspected in connection with the Subject Property.
VEC Discussion:	Based on the reviewed data, a VEC is not suspected.

Name/Address:	First Point Apartments/ 2114 E. 1st Street
Database(s):	RCRA NONGEN/ NLR
Dist./Dir./Gradient:	137 Feet/ Southeast/ Up-gradient
Data Discussion:	The RCRA NONGEN/NLR listing indicated that the site is listed on the RCRA database as a non-generator of hazardous waste. The listing indicated the site has an EPA ID of "CAC003022711" and has been a non-generator of hazardous wastes since July 2019. No spills or violations were reported for the site.
REC Discussion:	Based on the details provided above, a REC is not suspected in connection with the Subject Property.
VEC Discussion:	Based on the reviewed data, a VEC is not suspected.

Name/Address:	Freeway Auto Body/ 2000 E 1st Street
Database(s):	CA FID UST, ECHO, FINDS, HWTS, HAZNET, HIST UST, RCRA-SQG, SWEEPS UST
Dist./Dir./Gradient:	136 Feet/ West/ Cross-Downgradient
Data Discussion:	FINDS and ECHO listings indicated the site is registered on the RCRA database and with a Registry ID of "110002677434". The HWTS and HAZNET listings indicated the site was a hazardous waste transfer site from April 10, 1987, to January 1, 1995. The HAZNET listing reported the following hazardous waste streams: Unspecified aqueous solution, aqueous solution with total organic

	residues 10 percent or more, and unspecified oil-containing waste. The reported wastes were disposed of through a recycler. The RCRA-SQG listing indicated that the site is listed on the RCRA database as a small-quantity generator of hazardous wastes. The HIST UST and SWEEPS UST listings indicated the site previously managed a 250-gallon waste oil UST. No releases or violations were reported for the site. Based on the details provided above, a REC is not suspected in connection with the Subject Property.
REC Discussion:	Based on the details provided above, a REC is not suspected in connection with the Subject Property.
VEC Discussion:	Based on the reviewed data, a VEC is not suspected.

Name/Address:	Santa Ana Honda/ 2114 E 1st Street
Database(s):	CERS, CORTESE, CPS-SLIC, ECHO, FINDS, HIST CORTESE, LUST, CA FID UST, HIST UST, SWEEPS UST
Dist./Dir./Gradient:	89 Feet/ East/ Up-gradient
Data Discussion:	The CERS and CORTESE listings indicated that the site was a "Cleanup Program Site" and a former "Leaking Underground Storage Tank Cleanup Site" with a CERS ID of "T0605901901" and a Site ID of "682643". The CPS-SLIC listing indicated that there was a release on the site on June 23, 1998. FINDS and ECHO listings indicated the site is registered on the RCRA database and with a Registry ID of "110002811137". The HIST UST and SWEEPS UST listings indicated the site previously managed two (2) underground storage tanks. One (1) tank was a 2,000-gallon unleaded gasoline tank and the other was a 1,000-gallon waste oil tank. The LUST listing indicated a status of "Completed - Case Closed" as of 07/28/1994. The soil was potentially affected by heating oil/fuel oil at the address. A leak was first discovered during a tank closure procedure on 06/05/1996. Hillmann reviewed a closure report written by the City of Santa Ana dated May 28, 1996. According to the closure report, a release of petroleum products was discovered during tank removal activities on October 18, 1995. The report stated that the discharge was stopped and that the cause was from overfilling of the tank. Remediation actions were taken in the form of over-excavation and disposal of contaminated soil. Based on the details provided above, a REC is not suspected in connection with the Subject Property.
REC Discussion:	Based on the details provided above, a REC is not suspected in connection with the Subject Property.
VEC Discussion:	Based on the reviewed data, a VEC is not suspected.

Name/Address:	Snowwhite Cleaners/ 2031 E 1st Street
Database(s):	DRYCLEANERS, EDR HIST CLEANER
Dist./Dir./Gradient:	234 Feet/ North/ Up-gradient
Data Discussion:	The site is listed as a DRYCLEANERS facility on the SCAQMD database. The facility was listed as a dry cleaner under several business names for the years 1988 to 2014. The listing indicated that a previous tenant at the site, Snowwhite Cleaners submitted a permit for a PCE solvent dry-cleaning unit in April 1992. While there is no evidence of violations or releases noted, given the duration of dry-cleaning operations at this site, there is the potential for undocumented spills or releases to have occurred.

REC Discussion:	While the database listing did not indicate a reported hazardous substance or petroleum product release, the presence of an adjoining dry cleaner is considered to be a potential REC due to the potential for undocumented spills or releases to have occurred.
VEC Discussion:	Based on the reviewed data, a VEC cannot be ruled out. Additional evaluation would be required to confirm whether a significant vapor intrusion impact to the Subject Property exists.

Surrounding Area Findings

The following is a discussion of non-adjoining sites identified as located within the ASTM specified search distance surrounding the Subject Property. In order to keep this discussion informative and concise, discussion(s) is/are provided of the listed site(s) for each database category that appears most likely to impact the Subject Property based on distance, area topography and/or regulatory status. Listings of sites within the applicable search distances not specifically discussed below were reviewed and concluded not to be RECs in connection with the Subject Property or VECs based on various factors including distance, area topography, known or inferred groundwater flow direction and/or regulatory status.

Federal - NPL

ASTM Search Distance:	1-mile	Number of listings within ASTM Search Distance:	0
Notable Listing:	No listings were identified within the search distance.		
Dist/Dir/Gradient:			
Details:			
REC Discussion:			
VEC Discussion:			

Federal - Delisted NPL

ASTM Search Distance:	1/2-mile	Number of listings within ASTM Search Distance:	0
Notable Listing:	No listings were identified within the search distance.		
Dist/Dir/Gradient:			
Details:			
REC Discussion:			
VEC Discussion:			

Federal - SEMS

ASTM Search Distance:	1/2-mile	Number of listings within ASTM Search Distance:	0
Notable Listing:	No listings were identified within the search distance.		
Dist/Dir/Gradient:			
Details:			
REC Discussion:			

VEC Discussion:	

Federal - SEMS Archive

ASTM Search Distance:	1/2-mile	Number of listings within ASTM Search Distance:	1
Notable Listing:	EECO/ 1441 East Chestnut Avenue		
Dist/Dir/Gradient:	2489 Feet/ Southwest/ Cross-gradient		
Details:	The listing indicated the site is not on the NPL list. The listing indicated that the status of the site is "Deferred to RCRA (Subtitle C)". Based on the details provided above, a REC is not suspected in connection with the Subject Property.		
REC Discussion:	Based on the details provided above, a REC is not suspected in connection with the Subject Property.		
VEC Discussion:	Based on the reviewed data, a VEC is not suspected.		

Federal - CORRACTS

ASTM Search Distance:	1-mile	Number of listings within ASTM Search Distance:	1
Notable Listing:	EECO/ 1441 East Chestnut Avenue		
Dist/Dir/Gradient:	2489 Feet/ Southwest/ Cross-gradient		
Details:	The listing indicated that the facility has undergone remediation activities and that human exposures are being controlled as of July 08, 2010. The listing indicates the site has an EPA ID of "CAD008256349". Based on the details provided above, a REC is not suspected in connection with the Subject Property.		
REC Discussion:	Based on the details provided above, a REC is not suspected in connection with the Subject Property.		
VEC Discussion:	Based on the reviewed data, a VEC is not suspected.		

Federal - RCRA-TSD

ASTM Search Distance:	1/2-mile	Number of listings within ASTM Search Distance:	1
Notable Listing:	EECO/ 1441 East Chestnut Avenue		
Dist/Dir/Gradient:	2489 Feet/ Southwest/ Cross-gradient		
Details:	The listing indicated the site managed a storage and treatment system for hazardous wastes produced on the Property. No other pertinent information was provided. Based on the details provided above, a REC is not suspected in connection with the Subject Property.		
REC Discussion:	Based on the details provided above, a REC is not suspected in connection with the Subject Property.		
VEC Discussion:	Based on the reviewed data, a VEC is not suspected.		

State/Tribal - Superfund / Hazardous Waste Sites

ASTM Search Distance:	1-mile	Number of listings within ASTM Search Distance:	12

Notable Listing:	Compak Foods
Dist/Dir/Gradient:	1485 Feet/ West/ Cross-gradient
Details:	The ENVIROSTOR listing indicated the site is currently a "Voluntary Cleanup" site but is not listed on the NPL list. The site is listed as "Active" as of March 03, 2021. No other pertinent information was provided.
REC Discussion:	Based on the details provided above, a REC is not suspected in connection with the Subject Property.
VEC Discussion:	Based on the reviewed data, a VEC is not suspected.

State/Tribal - Landfill / Solid Waste Disposal

ASTM Search Distance:	1/2-mile	Number of listings within ASTM Search Distance:	0
Notable Listing:	No listings were identified within the search distance.		
Dist/Dir/Gradient:			
Details:			
REC Discussion:			
VEC Discussion:			

State/Tribal - Leaking Storage Tanks

ASTM Search Distance:	1/2-mile	Number of listings within ASTM Search Distance:	22
Notable Listing:	Thrifty Oil/ 101 Tustin Avenue		
Dist/Dir/Gradient:	998 Feet/ East/ Up-gradient		
Details:	The LUST listing indicated a status of "Completed – Case Closed" as of 07/28/1994. The soil was potentially affected by heating oil/fuel oil at the address. A leak was first discovered during a tank closure procedure on 04/15/1991. The Los Angeles Co. HMS listing indicates a facility status of "removed". Hillmann reviewed a prior Phase I ESA report prepared by PARTNER Engineering and Sciences Inc. on the Subject Property. Within the report, Hillmann found multiple summarized reports for a <i>Buried Tank Site Assessment/ Mitigation-Carlin Foods</i>, prepared by Applied Hydrogeologic Consultants. The report summarized the remediation actions taken after the removal of a 10,000-gallon diesel UST and a 2,500-gallon diesel UST on March 18, 1988. According to the reports reviewed, confirmation samples were taken from the fuel dispenser boring at 10-foot, 15-foot, and 20-foot depths and samples were collected from the excavation pit at 15-foot and 20-foot depths. The samples indicated TRPH contamination at 10 feet bgs, but no samples showed detectable concentrations of TRPH in the deeper excavation samples. Based on the analysis Applied Hydrogeologic Consultants aimed to remediate the site. <i>"On March 31, 1988, approximately 25 cubic yards of contaminated soil was removed from the bottom of the buried tank excavation. A total of five (5) soils samples were collected from the sidewalls and bottom of the excavation and analyzed for TRPH using EPA Method 418.1. TRPH was not detected in any of the samples. On April 25, 1988, approximately 25 cubic yards of contaminated soil was removed beneath the fuel dispenser. A total of five (5)</i>		

	<i>soil samples were collected from the sidewalls and bottom of the excavation and analyzed for TRPH using EPA Method 418.1. TRPHI was not detected at the detection limit of 1.0 mg/kg in any of the samples...Based on the analytical results, Applied Hydrogeologic Consultants concluded that contaminated soils had been successfully removed and perched groundwater had not been impacted."</i> Based on regulatory oversight, and remedial actions taken, and the distance to the Subject Property these listings are not suspected to be a REC in connection with the Subject Property. However, the LUST case represents an HREC in connection with the Subject Property.
REC Discussion:	Based on the details provided above, a REC is not suspected in connection with the Subject Property.
VEC Discussion:	Based on the reviewed data, a VEC is not suspected.

State/Tribal - Voluntary Cleanup Sites

ASTM Search Distance:	1/2-mile	Number of listings within ASTM Search Distance:	0
Notable Listing:	No listings were identified within the search distance.		
Dist/Dir/Gradient:			
Details:			
REC Discussion:			
VEC Discussion:			

State/Tribal - Brownfields

ASTM Search Distance:	1/2-mile	Number of listings within ASTM Search Distance:	0
Notable Listing:	No listings were identified within the search distance.		
Dist/Dir/Gradient:			
Details:			
REC Discussion:			
VEC Discussion:			

Unmapped/Orphan List Sites

Hillmann has also reviewed a list of unmapped sites (a.k.a. "Orphan List" sites) indicated by the database report. Unmapped sites that were identified as falling within an applicable specific search distance or warranting discussion have either been discussed in the preceding tables or are detailed below:

Name/Address:	
Database(s):	
Dist./Dir./Gradient:	
Data Discussion:	
REC Discussion:	
VEC Discussion:	

Additional Environmental Record Sources

Requests have been submitted to local, municipal and state agencies for pertinent records pertaining to the Subject Property, particularly with regard to potential environmental concerns such as petroleum storage tanks, storage and usage of hazardous substances and petroleum products, and/or known or suspected environmental contamination. Where applicable, internet research of government environmental regulatory databases was also conducted, as well as a general cursory internet search of the Subject Property address, for information indicative of a REC. The following table summarizes the findings of the research:

Source	Type of Request	Outcome
www.realquest.com	Online search	Hillmann reviewed available on-line records pertaining to the Property. No information indicative of a REC was identified.
CA DTSC Envirostor database (www.envirostor.dtsc.ca.gov/public/)	Online search	Hillmann searched online for records pertaining to the Property. No records pertaining to the Property were found.
CA GeoTracker database (geotracker.waterboards.ca.gov/)	Online search	Hillmann searched online for records pertaining to the Property. No records pertaining to the Property were found.
Orange County Health Care Agency	FOI request	Hillmann reviewed available on-line records pertaining to the Property. The following pertinent records and/or information was obtained: - The Orange County Health Care Agency responded to Hillmann's request for records. The records reviewed included several inspection reports related to Fresenius Medical Care's handling of hazardous materials for the years 2018 through 2022. The reports indicated the Subject Property managed medical waste, and had several violations related to the failure to implement proper BMPs for hazardous materials. However, no releases or spills were recorded for the Subject Property. According to the most recent inspection report dated February 10, 2022, the facility underwent a closure inspection and was to be inactivated.
Orange County Fire Authority	FOI request	Hillmann reviewed available on-line records pertaining to the Property. The following pertinent records and/or information was obtained: - The Orange County Fire Authority responded to Hillmann's request for records. The records reviewed included several routine inspection reports related to the Subject Property for the years, 2002, 2017, 2020, and 2021. No violations were reported for the Subject Property.
City of Santa Ana	FOI request	A response was received stating that no records were found.
California Environmental Reporting System (CERS)	FOI request	Hillmann reviewed available on-line records pertaining to the Property. The following pertinent records and/or information was obtained:

Source	Type of Request	Outcome
		- The California Environmental Reporting System responded to Hillmann's request for records. The records reviewed included several documents related to Fresenius Medical Care's storage status and inventory of hazardous materials. The reports detailed several hazardous materials that previously existed on the Subject Property in March 2021, as well as contingency plans in case of a release, and a site plan of the facility.

4.2 Historical Research

Historical records have been compiled and analyzed for historical property information and developing a history of previous uses of the Subject Property, adjoining properties and surrounding area. These records were reviewed for the purpose of identifying the likelihood of past uses having led to RECs in connection with the Subject Property.

The historical record sources listed below have been sought with the objective to document past uses of the Subject Property from the present back to the Subject Property's first developed use, or back to 1940, whichever is earlier. The term "developed use" includes agricultural use, placement of fill dirt and other uses that do not involve structures. Hillmann has sought to review historical records in minimum intervals of five years.

Fire Insurance Maps

A Certified Sanborn Map Report was obtained from EDR for a review of published historical fire insurance maps for the Subject Property and surrounding area. The following is a summary of site uses and notable details depicted by the available maps:

Year(s)	Subject Property	Adjoining Properties
None	None	None

A copy of the Certified Sanborn Map Report is attached in [Appendix E](#).

City Directories

An EDR City Directory Abstract report was reviewed for data of prior occupants of the Subject Property's street address. The following is a generalized summary of the findings of city directory research for past occupants of the Subject Property.

Subject Property Use(s) / Occupant(s)	Years
Residential	1941 - 1946
OClayt Scarborough Service Station	1945
Honda Auto Leasing/ Hahn O R Inc Autos	1966 - 1975
McMahon Partnership/ Development Inc.	1986
Visual Dynamics	1991 - 1992
United of Omaha/Mutual of Omaha	1991

Subject Property Use(s) / Occupant(s)	Years
Multiple commercial offices including insurance and attorney firms	1991 - 1995
Kellis Deli	1991-1995
Mix of commercial and medical offices	2002 - 2010
URS Corporation	2005- 2014
Mix of financial offices and medical dialysis care offices	2014-2020

The EDR City Directory Abstract report was also reviewed for listings of prior occupants of the adjoining properties. The following is a generalized summary of the findings of city directory research for past occupants of the adjoining properties:

Adjoining Property Use(s) / Occupant(s)	Years
Barry B Pontiac Dealership/ Santa ana Mazda and Chrysler (2000 E 1st Street)	1965 - 1986
Public Car Auction (200 E 1st Street)	1986 - 1995
Commercial offices (2110 E 1st Street)	1975 - 2020
Sunland Motel (2111 E 1st Street)	1975 - 2020
Commonwealth Motors (2114 E 1st Street)	1975 - 1980
Santa Ana Honda (2114 E 1st Street)	1986 - 1995
Public Car Auction (2114 E 1st Street)	2002 - 2014
Commercial shopping mall with restaurants and shops (2031 E 1st Street)	1991 - 2020
Snowwhite Cleaners/ New cleaners (2031 E 1st Street)	1991 - 2020
Commercial offices (2001 E 1st Street)	1980 - 2020

A copy of the EDR City Directory report is attached in [Appendix E](#).

Historical Topographic Maps

Historical topographic maps of the Property and vicinity obtained from an EDR Historical Topographic Map report (as attached in Appendix E) have been reviewed. The following interpretation of land usage was made by review of the maps:

Year(s)	Subject Property	Adjoining Properties
1896	The Subject Property is depicted as undeveloped land.	The adjoining properties are depicted as undeveloped land. South of the Subject Property a road is depicted.
1898	The Subject Property is not depicted on this topographic map.	The adjoining properties are not depicted on this topographic map.
1901, 1902	The Subject Property is depicted as undeveloped land.	The adjoining properties are depicted as undeveloped land. South of the Subject Property a road is depicted.
1932, 1935	The Subject Property is depicted as undeveloped land.	West of the Subject Property a single structure is depicted. The adjoining properties to the south and east are

Year(s)	Subject Property	Adjoining Properties
		depicted as undeveloped land. East First Street is depicted north of the Subject Property.
1942	The Subject Property is depicted as undeveloped land.	West of the Subject Property a single structure is depicted. The adjoining properties to the south and east are depicted as undeveloped land. East First Street is depicted north of the Subject Property.
1948, 1949	The Subject Property is depicted as orchards.	The adjoining properties are depicted as orchards. There appear to be structures on the east and west adjoining properties.
1950	The Subject Property is depicted as undeveloped land.	The adjoining property to the east and west is depicted as undeveloped land with a single structure. East First Street is depicted north of the Subject Property.
1972	The Subject Property is depicted with two (2) rectangular structures.	The adjoining property to the east now appears to be developed with several commercial structures. Southeast of the Subject Property a school is depicted. North of the Subject Property across First Street there are orchards depicted.
1974	The 1974 photo is not a topographic map.	The 1974 photo is not a topographic map.
1981	The Subject Property is depicted with two (2) rectangular structures.	The adjoining property to the east now appears to be developed with several commercial structures. Southeast of the Subject Property a school is depicted. North of the Subject Property across First Street there are orchards depicted as well as a several structures.
2012, 2015, 2018, 2022	No significant improvements or structures are depicted.	No significant improvements or structures are depicted.

If obtained, copies of historical aerial photographs have been included in [Appendix E](#).

Historical Aerial Photographs

Historical aerial photographs of the Property and vicinity obtained from an EDR Aerial Photo Decade Package report, as attached in Appendix E, were reviewed. The following interpretation of land usage was made by review of the aerial photographs:

Year(s)	Subject Property	Adjoining Properties
1938, 1946, 1952, 1963	The Subject Property appears to be developed with an orchard. There appears to be a farmstead structure on the northeastern corner of the Subject Property.	The adjoining properties appear to be developed with orchards.
1966, 1972	The Subject Property appears to be developed with two (2) rectangular commercial buildings located at the central portion of the Subject Property. An asphalt-paved parking lot is located at the southern portion of the Subject Property.	The adjoining properties to the north appear to be orchards. The adjoining property to the west appears to be developed with two (2) rectangular commercial buildings. South of the Subject Property there appears to be several structures.
1977	The Subject Property appears to be developed with two (2) rectangular commercial buildings located at the central portion of the Subject Property. An asphalt-paved parking lot is located at the southern portion of the Subject Property.	The adjoining property to the northwest appears to be vacant land. North of the Subject Property appears to be a commercial building. The adjoining properties to the west and east appear to be commercial buildings. Southeast of the Subject Property there appears to be a school.
1985, 1989, 1994, 2002	The Subject Property appears to be redeveloped with the current commercial building on its premises. An asphalt-paved parking lot is located south of the Subject Property.	The adjoining properties to the east and west appear to be commercial buildings. North of the Subject Property there are now several commercial buildings. Southeast of the Subject Property there appears to be a school.
2005,	The Subject Property appears to be redeveloped with the current commercial building on its premises. An asphalt-paved parking lot is located south of the Subject Property.	The adjoining properties to the east are vacant land, and sports fields, respectively. North of the Subject property there are several commercial buildings. Southeast of the Subject Property there appears to be a school. West of the Subject Property are several commercial buildings.
2009, 2012, 2016	The Subject Property appears to be redeveloped with the current commercial building on its premises. An asphalt-paved parking lot is located south of the Subject Property.	The vacant land west of the Subject Property now appears to be a commercial building. North of the Subject property there are several commercial buildings. Southeast of the Subject Property there appears to be a school. West of the Subject Property are several commercial buildings.
2020	The Subject Property appears to be redeveloped with the current commercial building on its premises. An asphalt-paved parking lot is located south of the Subject Property.	The adjoining properties to the east appear to be under development. The vacant land west of the Subject Property now appears to be a commercial building. North of the Subject property there are several commercial buildings.

If obtained, copies of historical aerial photographs have been included in [Appendix E](#).

EDR High-Risk Historical Records

The EDR Radius Map™ report, which is discussed in greater detail in [Section 4.1](#) and attached in [Appendix D](#), provided a search of proprietary databases of potential historical high-risk uses at or in the vicinity of the Subject Property. These databases include EDR Hist Cleaner – a database of property addresses with records of historical occupancy by suspected cleaners businesses; EDR Hist Auto – a database of property addresses with records of historical occupancy by potential automotive gas/filling stations and repair facilities; and EDR MGP- a proprietary database of sites historically occupied by manufactured gas plants and related facilities.

EDR Database	On-site Listings	Adjoining/Off-site Listings
EDR Hist Cleaner: (on-site/adjoining only)	None	<i>2031 E. 1st Street, Snowwhite Cleaners, listed as 'Drycleaning Plants, Except Rugs' for the years 1988 to 2014.</i>
EDR Hist Auto: (on-site/adjoining only)	None	<i>250 N Golden Circle Drive, Vista Santa Fe Transmissions, listed as 'Automotive Transmission Repair Shops' for the years 1988 to 2014.</i>
EDR MGP: (1-mile distance)	None	<i>So Cal Gas/ Santa Ana (Minnie St) - NEC of Minnie and E Walnut Streets is located 5248 Feet to the West and Cross-gradient of the Subject Property</i>

Petroleum/Natural Gas Well Review

The historical record sources and the California Geologic Energy Management Division (CalGEM) online mapping application were reviewed for records of petroleum and/or natural gas wells at the Subject Property. No record of any historical petroleum/natural gas wells at or adjoining the Property was identified.

Additional Historical Data

Where applicable, the following additional pertinent historical data was obtained:

Interviews/ Anecdotal:	No additional pertinent historical data was obtained.
Local Gov't Records:	No additional pertinent historical data was obtained.
Prior Env. Reports:	Prior environmental reports reviewed as part of this assessment, as detailed in Section 3.1, did not provide additional pertinent detail of historical site usage.
Site Observations:	Indications of historic uses of the Property or adjoining properties were not observed during the site reconnaissance.
Other Sources:	No additional pertinent historical data was obtained.

Summary of Identified Historical Uses

The following table presents a summary of the types and approximate date ranges of identified prior uses of the Subject Property:

Date Range	Subject Property Use(s)
1896 to 1935	Undeveloped land
1938 to 1963	Orchards with a farmstead structure
1966 to 1975	Honda Auto Leasing
1986	McMahon Partnership and Development Inc.
1991 to 1995	Commercial offices including insurance and attorney firms
1991 to 1995	Kelis Deli
2002 to 2014	Mix of commercial and medical offices
2014 to 2020	Mix of financial offices and medical dialysis care offices

The following table presents a summary of the types of identified prior uses of the adjoining properties:

Date Range	Adjoining Property Use(s)
1896 to 1935	Undeveloped land
1938 to 1963	Orchards
1966 to 1972	A mix of commercial and orchards
1977	A mix of commercial, vacant land, and a school
1985 to 2016	A mix of commercial properties including an auto dealer, a hotel, and a dry cleaner. A school is located southeast.
2020	A mix of commercial properties including a dry cleaner and a hotel. A school is located to the southeast.

Historical Records Data Failure

The ASTM E1527-21 standard defines data failure as failure to achieve the historical research objective even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. The objective is to identify all obvious uses of the Subject Property from the present, back to the Subject Property's first developed use, or back to 1940, whichever is earlier. Furthermore, records of historical use/conditions were sought in intervals no less than approximately five years, unless the Subject Property conditions appear unchanged over a longer interval. In encountered, data failure and its significance as a data gap is discussed below:

Objective	Met?	Detail	Significant?
First developed use/ date determined?	Yes	The first developed use of the Property was as orchards.	No

Objective	Met?	Detail	Significant?
Record sources at 5-year intervals back to 1940 or first developed use?	No	Historical record gaps exceeding five years were encountered. However, significant site-use changes or undiscovered site uses appear unlikely to have occurred during the record gaps.	No
All obvious prior uses identified?	Yes	See Summary of Identified Past Uses of this section.	No

Please refer to [Section 2.3](#) for additional discussion of data gaps and their significance to the findings of the assessment.

Historical Uses REC Discussion

- The Subject Property was historically utilized as an orchard from 1938 to 1966 when it was redeveloped for commercial use. The Property was improved with two (2) large commercial buildings and an associated asphalt-paved parking lot to the south. Although the site was redeveloped, the parking lot area could potentially have concentrated pesticides in the shallow soils below the ground surface from the historic use as an orchard. Hillmann does not consider this a REC, the potential for pesticide and heavy metals contamination should be investigated if the Subject Property is to be redeveloped.

- The city directory review of the Subject Property indicated that a gasoline service station previously occupied the Property in 1945. The service station, addressed as OClayt Scarborough Service Station was only listed for the year 1945. Hillmann reviewed additional historical record resources for information on the service station, however no information was available. The aerial photograph dated 1946 depicted a small structure on the northeastern portion of the Subject Property but no structures indicating a former gasoline service station were visible. Based on the review of historical record resources, Hillmann believes that the OClayt Scarborough Service Station was listed incorrectly for the Subject Property, and does not constitute an HREC or REC.

- A review of historical records indicated the Subject Property functioned as an auto dealership from at least 1965 to approximately 1975. While hazardous substances and petroleum products were likely present, no specific information beyond this was available. The Subject Property was redeveloped in 1985 with the current structure and improvements. The current building overlaps with the former dealership area, but no evidence of contamination from past activities was found during the assessment. Considering the passage of time since automotive use ceased, any residual contamination is expected to have naturally degraded, posing minimal environmental concern. Therefore, the historical on-site operations are not expected to represent a REC.

5.0 INTERVIEWS

5.1 Interviews with Owners, Operators and Occupants

Property Owner

Property Owner	Contact Name	Affiliation	Interview Type	Date
2020 E First LLC	Paul Miskowicz	Owner's counsel	Questionnaire	02/19/24
An environmental questionnaire for information pertinent to the assessment was forwarded via email and completed, as attached in Appendix C. Pertinent information, where applicable, is referenced in the appropriate sections of this report.				

Key Site Manager/Operator

Name	Company/Title	Yrs @ Site	Interview Type	Date
None				
A knowledgeable site representative was not identified or made available for interview.				

Occupant(s)

Name	Company/Title	Yrs @ Site	Interview Type	Date
(none)				
No occupant interviews were conducted.				

Prior Owners/Operators/Occupant(s)

Name	Company/Title	Yrs @ Site	Interview Type	Date
(none)				
No interviews of prior owners, operators or occupants were conducted.				

Neighboring Property Owner(s)/Occupant(s)

Name	Company/Title	Yrs @ Site	Interview Type	Date
(none)				
The Subject Property was not an abandoned property with evidence of unauthorized uses or uncontrolled access; therefore, interviews with adjoining or nearby property owners or occupants were not conducted.				

5.2 Interviews with State and/or Local Government Officials

State and/or local governmental officials have been interviewed to obtain information of potential RECs in connection with the Subject Property. Many government agencies and their officials require submittal of written request for records in order to respond. The details in [Section 4.1](#) list the various state and local government agencies contacted as part of this assessment, and the outcome of each inquiry. In addition, the details of regulatory database research in [Section 4.1](#) may have included detail of interviews with officials pertinent to government records review and identification of RECs.

Additional interview of government officials not previously detailed in [Sections 4.1](#) are discussed below, if applicable.

Name	Agency Name/Title	Interview Type
(none)		
Interview Outcome/Findings:		
No additional local/state government officials were interviewed.		

6.0 SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

A site reconnaissance was conducted to collect information and make observations to help identify RECs in connection with the Subject Property. This included visual and/or physical observations of the Subject Property and its structures, adjoining properties as viewed from the Subject Property boundaries and the surrounding area based on visual observations from adjoining public thoroughfares and accessed Subject Property structures. Subject property building exteriors were observed at ground level, unless otherwise indicated. Where applicable, building interiors were accessed and observed to the extent they were made safely accessible with the cooperation of the site escort.

Site Inspection Personnel:	Kofi Bonner
Property Escort/ Company:	None/None
Inspection Date:	February 21, 2024
Weather Conditions:	58° F / Mostly Cloudy

Significant Inaccessible Areas

The following significant areas of the Property were not accessed at the time of the site visit:

- The building on the Subject Property was inaccessible at the time of site reconnaissance.

Significant Limiting Site Conditions

The following significant limiting site conditions were noted at the time of the site reconnaissance:

- Several cars were parked within the parking lot at the Subject Property. As such, the view of the ground surface was obstructed at portions of the Subject Property during site reconnaissance.

6.2 General Site Setting

Site and Vicinity Characteristics

Abutting Roadways:	East 1st Street to the North; North Golden Circle to the West
Current Property Use:	Vacant commercial office building
Evidence of Past Property Uses:	None
Evidence of Past Adjoining Property Uses:	None

Surrounding Area Uses:	Residential, Commercial Shopping Plaza, School Athletic Fields

Current Adjoining Property Uses

Dir	Street Address	Description
N	2029 E. 1st Street	Jrs. Burgers
NE	N. Golden Circle Drive	Golden Circle Plaza
E	2112 E. 1st Street	First Point Apartments
S	16971 E Main Street	Saint Jeanne de Lestonnac School
SW	2000 E. 1st Street	Saint Jeanne de Lestonnac Athletics Facility
W	2020 E. 1st Street	Total Women Healthcare, Retina Associates of Orange County

Topographic Characteristics

Terrain:	Flat to gently sloping
Direction of Downward Slope:	South
On-site Water Bodies:	None
Other Significant Features:	None

General Description of Structures and Improvements

Buildings:	One
Approx. Building Size:	118,192
Approx. Year Built:	1985
Number of Stories:	Five(5)
Subgrade Levels:	None
Exterior Ground Cover:	Asphalt parking lot
Ancillary Structures:	None
Sources of Heating and Cooling:	Natural gas and electric powered systems
Potable Water/Sewage Disposal:	Municipal utility connections

6.3 Site Features and Conditions

Storage/Usage of Hazardous Substances and Petroleum Products

The following approximate number of containers, and general description of their contents, capacity, container types and storage conditions, were observed to be stored and/or used at the Subject Property:

Occupant	Substance	Qty/Container Type	Storage Conditions
None	(none)		

Bulk Petroleum/Hazardous Material Storage Tanks

If identified or suspected, storage tanks for bulk petroleum or hazardous material storage are described as follows:

AST/UST	Product	Capacity	Construction	Year Installed	Status	Location/Notes
None						No storage tanks were identified.

<<Insert WordBank item>>

Strong, Pungent or Noxious Odors and their Sources

No strong, pungent or noxious odors were noted at the Subject Property.

Standing Surface Water/Pools & Sumps

No standing water, pools or sumps containing liquids likely to be hazardous substances or petroleum products were noted.

Drums, Totes and Intermediate Bulk Containers

No hazardous substance or petroleum product drums were noted.

Unidentified Substance Containers

No unidentified substance containers suspected of containing hazardous substance or petroleum product were noted.

PCBs in Oil Filled Electrical/Hydraulic Equipment

The following oil-filled electrical/hydraulic equipment was identified at the Property:

- Hillmann observed an oil-filled pad-mounted transformer near the Subject Property's northwestern boundary. No staining was observed in the proximity of the transformer.

It is noted that identification of PCB containing fluorescent light ballasts, caulk, paint, or other materials located inside and are part of the building or structure is outside of the scope of the ASTM E1527-21 standard and this assessment.

Stains or Corrosion on Floors, Walls or Ceilings

Hillmann was unable to access building interiors to inspect for staining of floors, walls or ceilings.

Drains and Sumps

Hillmann was unable to access building interiors to inspect for interior drains or sumps. No sumps were observed on the exterior of the Subject Property. No drains except those used for the management of stormwater were observed on the exterior of the Subject Property.

Pits/Ponds/Lagoons

No pits, ponds or lagoons were identified in connection with waste treatment or disposal.

Stained Soil, Pavement/Stressed Vegetation

No stained soil, pavement or stressed vegetation was observed.

On-Site Solid Waste Disposal/Fill Material

The following evidence of on-site disposal of trash, construction debris, demolition debris or other solid waste was observed:

No evidence of on-site disposal of trash, construction debris, demolition debris or other solid waste was observed.

Waste Water

Sanitary sewage generated at the Subject Property is discharged via a connection to the local public sewer system.

Storm water runoff at the Subject Property is discharged via roof drains into the municipal sewer system.

No additional wastewater discharges were identified at the Subject Property.

Septic Systems/Cesspools

No septic systems or cesspools were identified at the Subject Property.

Wells

No wells (including any dry wells, irrigation wells, injection wells, abandoned wells, or other wells) were identified at the Subject Property.

Railroad Spurs

No railroad spurs were identified on the Subject Property.

7.0 BUSINESS ENVIRONMENTAL RISKS

In accordance with the contract agreement for this assessment, Hillmann has performed cursory reviews of several potential Business Environmental Risks (also known as “Non-Scope Considerations”). The ASTM E1527-21 standard defines the term business environmental risk (BER) as, “a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice.”

7.1 Asbestos-Containing Material (ACM)

The contracted scope of work included a cursory visual screening of the accessed portions of buildings at the Subject Property built prior to 1990 for suspect asbestos containing materials (ACM). The information provided in this section, where applicable, is limited to identification of potential suspect materials in the readily accessible and observed areas of the building, and their general condition. This is not intended to be a comprehensive survey for the presence of ACM, and no testing has been conducted.

Hillmann was unable to access building interiors to inspect for any ACM.

7.2 Lead-Based Paint

The contracted scope of work included a cursory visual screening of the condition of painted surfaces in the accessed areas of residential buildings/units built prior to 1980. This is not intended to constitute a comprehensive survey for LBP or potential lead hazards, and no testing has been conducted.

No residential buildings were present at the Property.

7.3 Radon

Data compiled by the USEPA, as summarized by the regulatory database report, indicated that the Subject Property is located in an area classified as Zone 3 or 'low risk'. area for radon. Radon testing was not included in the scope of this assessment.

7.4 Mold/Microbial Damage

The contracted scope of work included a cursory visual screening of the accessed areas of the building for evidence of significant damage to building materials and finishes as result of moisture intrusion and/or mold/microbial growth.

Hillmann was unable to access building interiors to inspect for any moisture/mold/ microbial growth.

7.5 NWI Mapped Wetlands

The National Wetlands Inventory online Wetland Mapper was reviewed for indications of jurisdictional wetlands at or immediately adjoining the Subject Property. The scope of work for this assessment excluded a visual determination of regulated wetlands at the Subject Property. It is emphasized that, regardless of the data reviewed via the NWI Wetlands Mapper, a field delineation of regulated wetlands by a qualified professional would be warranted to determine the presence or absence of regulated wetlands at the Subject Property.

A review of NWI Wetlands Mapper did not indicate regulated wetland areas on the Property.

7.6 Lead in Drinking Water

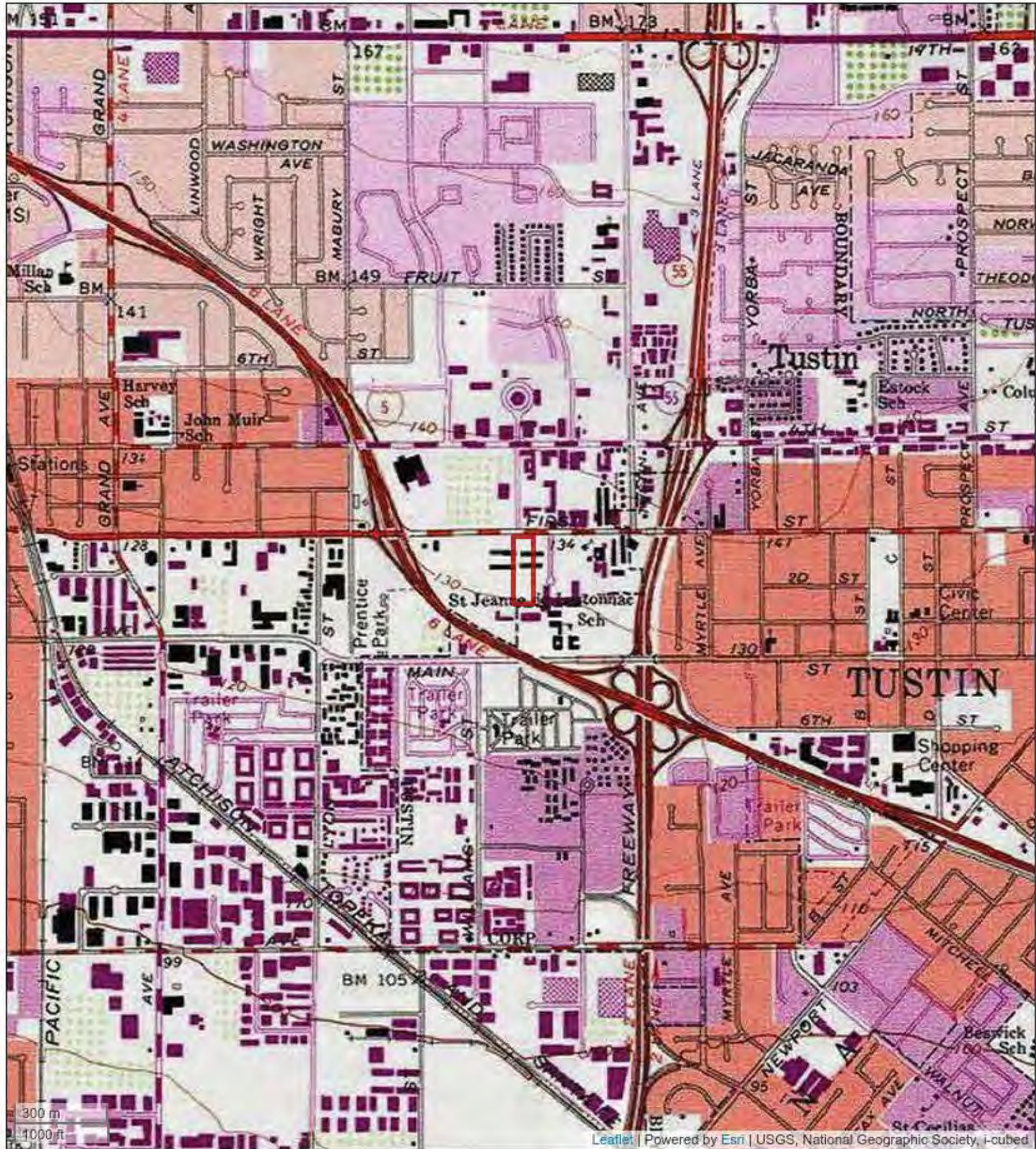
The scope of work for this assessment included a review of the potential for elevated levels of lead in drinking water by determining the source of the drinking water supply and a review of available compliance or testing data. Potable water service at the Property is provided by a utility connection with the City of Santa Ana. A recently published water quality report from the utility indicated compliance with USEPA water quality standards for lead in drinking water. A copy of the report has been attached in Appendix F.

8.0 REFERENCES

- ASTM International, "Designation E1527-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process"; ASTM, West Conshohocken, PA, 2021.
- ASTM International, "Designation E2600-15-Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transaction", ASTM, West Conshohocken, PA, 2015.
- United States Environmental Protection Agency (USEPA), "EPA Map of Radon Zones by U.S. County, EPA 402/F19/004", www.epa.gov/radon/epa-map-radon-zones, 2019
- U.S. Fish and Wildlife Service – National Wetlands Inventory, "Wetlands Mapper", fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/ 2024.
- Environmental Data Resources Inc. (EDR), "The EDR Radius Map™ Report with GeoCheck®", EDR, Sheldon, CT, 2024.
- EDR, "The EDR-City Directory Abstract", EDR, Sheldon, CT, 2024.
- EDR, "The EDR Aerial Photo Decade Package", EDR, Sheldon, CT, 2024.
- EDR, "Certified Sanborn Map Report", EDR, Sheldon, CT, 2024.
- EDR, "EDR Historical Topo Map Report with QuadMatch™", EDR, Sheldon, CT, 2024.
- Buonicore A., "Methodology for Identifying the Area of Concern Around a Property Potentially Impacted by Vapor Migration from Nearby Contaminated Sources, Paper 2011-A301-AWMA", The Buonicore Group, Milford, CT, 2011.
- Partner Engineering and Science, Inc., "Phase I Environmental Site Assessment Report, 2020 East First Street, Santa Ana, California 92705", 2021

APPENDIX A

Site Diagram/Vicinity Map



 HILLMANN CONSULTING	Site Location Map		
	2020 E. 1st Street Santa Ana, California 92705		
	SCALE: (Not to scale)	PROJECT No: C3-9906	



 HILLMANN CONSULTING	Site Diagram		
	2020 E. 1st Street Santa Ana, California 92705		
	SCALE: (Not to scale)	PROJECT No: C3-9906	

APPENDIX B

Site Photographs

SITE PHOTOGRAPHS



1. Adjoining property to the north



2. Adjoining property to the northwest



3. Boarded entrance located on eastern portion of Subject Property (2)



4. Boarded entrance located on southern portion of Subject Property



5. Consumer debris located within trash enclosure on eastern portion of Subject Property



6. Fire connection on northern portion of Subject Property

2020 E. 1st Street
Santa Ana, California

Project No. C3-9906



SITE PHOTOGRAPHS



7. Gate leading to adjoining property near southwestern corner of Subject Property



8. Boarded northern entrance to Subject Property



9. View south from northwestern corner of Subject Property



10. Oil-filled transformer located on adjoining property



11. Oil-filled transformer located on western portion of Subject Property



12. Typical cracked asphalt located on Subject Property

2020 E. 1st Street
Santa Ana, California

Project No. C3-9906



SITE PHOTOGRAPHS



13. View east along southern boundary of Subject Property



14. View north along western boundary of Subject Property



15. View of parking lot on Subject Property



16. View south along eastern boundary of Subject Property

2020 E. 1st Street
Santa Ana, California

Project No. C3-9906



APPENDIX C

Questionnaires / User Provided Information



PHASE I ESA - ENVIRONMENTAL QUESTIONNAIRE

Instructions: This questionnaire should be completed by the property owner, or representative(s) designated by the owner as being most knowledgeable of the physical characteristics, site use history and environmental condition of the subject property. Please complete, sign at bottom of page 5, and return to Hillmann via email, or in person during the site inspection. **Hillmann contact name:** Kofi Bonner **Email:** Kbonner **@hillmannconsulting.com**

Document Request/Environmental Report Disclosure: Copies of existing environmental reports and other documents pertinent to the environmental condition of the Property are requested for review. This includes, but is not necessarily limited to, the following types of documents.

- Environmental assessments (Phase I ESA, Transaction screen ESA, Preliminary Assessments, etc.)
- Subsurface or water testing: (Phase II, site investigation, subsurface testing, drinking water, groundwater monitoring, etc.)
- Site remediation documents, and any associated regulatory correspondences
- Petroleum storage tank testing/closure reports, and any associated regulatory documents.
- Building survey/inspection/testing reports for asbestos, lead, mold or radon; any associated O&M documents
- Environmental permits/registrations/certifications (bulk petroleum, waste discharge, emissions, potable wells, etc.).
- Environmental/health/fire code regulatory violations or citations

Property Details			
Street address(es) City, ST ZIP:	2020 E. First Street Santa Ana, CA 92705	Property ownership entity and primary contact person: (name/company/ph#/email):	2020 E First, LLC Paul Misztowicz Harbor Associates, LLC 949-436-4222 paul@harborassociates.com
Tax ID: (block/lot or APN)		Contact's affiliation to owner: (if other than the owner)	
Property size: (acres or SF)	3.72 acres	Questionnaire completed by: (if different than above)	
Total bldg. area:	111,483 square feet	No. of years at, or familiar, with the Property:	5.75 years
Number of residential units If residential:	N/A	No. of years-current ownership:	5.75 years
Date(s) of bldg construction:	1985	Prior owner name/contact info: (if owned <5 yrs)	

Current Non-Residential Occupants & Type of Use			
(For facilities with ≥ 10 non-residential occupants, please provide a copy of the latest rent roll in lieu of completing the table below)			
Occupant Name:	Type of Use:	NAICS # (if known)	Appx # yrs at Property
N/A			

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Utilities and Services:									
Type	Yes	No	NA	Name of Provider	Type	Yes	No	NA	Name of Provider
Water:					Fuel Oil:				
Sewer:					HVAC Maint:				
Power:					Elev Maint:				
Nat Gas:					Septic Maint:				
Pest Control:					Pool Maint:				

Please answer each question. Check "D/K" for "Don't Know". Additional space for comments/details is provided on Page 5.

Previous Environmental Investigations			
1.	Have any previous environmental investigations (see list on Page 1) been performed at the Property? <i>If YES, please briefly elaborate below and forward copies of the report(s):</i> Partner Engineering Phase I report from January 6, 2021 provided.	X	
		Yes	No D/K
Property & Adjoining Usage			
2.	To the best of your knowledge, is the Property or any adjoining property currently occupied or formerly occupied for industrial purposes? <i>If YES, please elaborate below:</i>	Property: ☐ Yes ☒ No ☐ D/K Adj. Property: ☐ Yes ☒ No ☐ D/K	
3.	Is the property or any adjoining property currently used, or have they ever been used, as a gasoline filling station, dry cleaning facility, automotive service/repair shop, auto body repair shop, commercial printing facility, photo development laboratory shop, junkyard, landfill, or as a waste treatment, storage disposal, recycling or processing facility? <i>If YES, please elaborate below:</i>	Property: ☐ Yes ☒ No ☐ D/K Adj. Property: ☐ Yes ☒ No ☐ D/K	
4.	Have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials been dumped above grade, buried and/or burned on the property?		X
		Yes	No D/K
Bulk Storage Tanks			
5.	Are there currently, or have there been previously, any registered or unregistered above ground or underground storage tanks located at the Property? <i>If YES, please provide number, size, age of tanks, permits, closure reports, regulatory agency correspondence, and related information.</i>	Currently: ☐ Yes ☒ No ☐ D/K Previously: ☐ Yes ☒ No ☐ D/K	
6.	Are there currently, or have there been previously, any vent pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property? <i>If YES, please elaborate below:</i>	Currently: ☐ Yes ☒ No ☐ D/K Previously: ☐ Yes ☒ No ☐ D/K	
7.	Are there currently, or have there been previously, any leakage of hazardous substances or petroleum products from above ground or underground storage tank systems at the Property? <i>If YES, please elaborate below:</i>	Currently: ☐ Yes ☒ No ☐ D/K Previously: ☐ Yes ☒ No ☐ D/K	

Spills, Releases, Wastes			
8.	Are there currently, or have there been previously, any waste discharges on or adjacent to the property, other than storm water or into a municipal sanitary sewer system? <i>If YES, please elaborate below:</i>	Currently: ☐ Yes ☒ No ☐ D/K Previously: ☐ Yes ☒ No ☐ D/K	
9.	Are there currently, or have there been previous, any septic systems, dry wells or leach fields on the property? <i>If YES, please elaborate below:</i>	Currently: ☐ Yes ☒ No ☐ D/K Previously: ☐ Yes ☒ No ☐ D/K	
10.	Are there currently, or have there been previously, any flooring, drains or walls located within the facility that are, or have been, stained by substances (or, in the case of drains, used for) other than water or are emanating foul odors? <i>If YES, please elaborate below:</i>	Currently: ☐ Yes ☒ No ☐ D/K Previously: ☐ Yes ☒ No ☐ D/K	
11.	Are there currently, or have there been previously, any spills or releases of hazardous substances or petroleum products within the building(s) or on the exterior of the Property? <i>If YES, please elaborate below:</i>	Currently: ☐ Yes ☒ No ☐ D/K Previously: ☐ Yes ☒ No ☐ D/K	
12.	Has any non-native and/or contaminated fill material been deposited on the Property? <i>If YES, please elaborate below:</i>	☐ Yes ☐ No ☒ D/K	
13.	Have any current or former property occupants generated hazardous wastes or other wastes (such as waste oil, or medical wastes) that required non-conventional storage, handling and/or disposal methods? <i>If YES, please indicate type of waste and the name of the waste handling contractor:</i>	☐ Yes ☐ No ☒ D/K	
Transformers/Hydraulic Equipment			
14.	Are any power transformers, capacitors, oil-filled switchgear or hydraulic equipment present at the Property? <i>If YES, please elaborate below; and indicate approximate age and ownership:</i>	☐ Yes ☐ No ☒ D/K	
15.	If hydraulic equipment is present, indicate approximate age of equipment & ownership:		
Regulatory Disclosure			
16.	Have there been any environmental liens or governmental notification or involvement relating to past or current use or disposal of hazardous substances with respect to the property of any facility or structure located on the property? <i>If YES, please elaborate below:</i>	☐ Yes ☒ No ☐ D/K	
17.	If the property is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system, or has the well been designated as contaminated by any government environmental/health agency? <i>(If YES, please elaborate below. If not applicable, please check NO)</i>	☐ Yes ☒ No ☐ D/K	

18.	Is there any environmental litigation, administrative action or cleanup action involving the property related to a release or threatened release of any hazardous substance or petroleum product? <i>If YES, please elaborate below:</i>		X	
		Yes	No	D/K
19.	Are you aware of testing of any environmental media (soil, groundwater, surface water, etc.) at the property which identified levels of contaminants in excess of regulatory standards and/or cleanup guidelines? <i>If YES, please elaborate below:</i>		X	
		Yes	No	D/K
Additional Environmental/Building Conditions				
20.a.	Has testing of building materials for asbestos ever been conducted at the Property? <i>If YES, please forward a copy of test results and/or survey reports:</i>			X
		Yes	No	D/K
20.b.	Are any asbestos containing materials known to be present at the Property? <i>If YES, please elaborate:</i>		X	
		Yes	No	D/K
20.c.	Is there an Asbestos Operations & Maintenance (O&M) program in place? <i>If YES, please forward a copy.</i>		X	
		Yes	No	D/K
21.a.	Has lead paint testing/risk assessment ever been conducted at the Property? <i>If YES, please forward a copy of test results.</i>		X	
		Yes	No	D/K
21.b.	Is lead-based paint known to be present at the Property? <i>If YES, please elaborate:</i>		X	
		Yes	No	D/K
21.c.	Is there a lead paint Operations & Maintenance (O&M) (or equivalent) program in place? <i>If YES, please forward a copy.</i>		X	
		Yes	No	D/K
21.d.	For any residential buildings built prior to 1987, has any testing for lead in drinking water been performed? <i>If YES, please provide a copy of all test results.</i>			
		Yes	No	D/K
21.e.	If Yes to 23.d., has any lead testing of drinking water indicated results exceeding 15 parts per billion (or microgram per liter)? <i>If YES, please elaborate and forward documentation of any mitigation performed to reduce lead concentration in drinking water.</i>			
		Yes	No	D/K
22.a.	Has radon testing ever been conducted at the Property? <i>If YES, please forward a copy of test results.</i>		X	
		Yes	No	D/K
22.b.	Are there any radon mitigations systems at the Property? <i>If YES, please provide details of the systems including the most recent service records.</i>		X	
		Yes	No	D/K
23.a.	Are there any problems with water intrusion, water damaged surfaces or excessive mold growth within the buildings? <i>If YES, please elaborate:</i>			
		Yes	No	D/K
23.b.	Is there a Moisture Control (or Mold Management) Program in place <i>If YES, please forward a copy.</i>			X
		Yes	No	D/K
24.a.	Are any pest control, pesticides or herbicides products utilized or applied at the Property? <i>If YES, please elaborate.</i>			X
		Yes	No	D/K
24.b.	<i>If Yes to 24.a., are all products applied by licensed pest control contractor? If YES, provide company name and any applicable license #s if available. If NO, please describe what products are utilized, who applies them and/or how they are applied or utilized.</i>			
		Yes	No	D/K

Additional Details/Comments:

For any questions that warrant further elaboration, please use the following space as necessary, and/or provide documentation along with the completed questionnaire:

Certification

I, Paul Miskowicz, state to the best of my knowledge, information and belief, that all of the facts stated in response to the questions and requests for information contained in this Environmental Questionnaire are true.

Signature: Paul Miskowicz Date: 2/19/2024

Title: Authorized Signatory

On behalf of: 2020 E First, LLC
(name of entity)



PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

2020 East First Street
Santa Ana, California 92705

Report Date: January 6, 2021
Partner Project No. 20-303520.2



Prepared for:

Harbor Associates
200 Pine Avenue, Suite 630
Long Beach, California 90802

January 6, 2021

Mr. Paul Miskowicz
Harbor Associates
200 Pine Avenue, Suite 630
Long Beach, California 90802

Subject: Phase I Environmental Site Assessment
2020 East First Street
Santa Ana, California 92705
Partner Project No. 20-303520.2

Dear Mr. Miskowicz:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the *Phase I Environmental Site Assessment* (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in conformance with the scope and limitations as detailed in the ASTM Practice E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (949) 481-9818.

Sincerely,

DRAFT

Robert Vaughn
National Client Manager

EXECUTIVE SUMMARY

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in accordance with the scope of work and limitations of ASTM Standard Practice E1527-13, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by Harbor Associates for the property located at 2020 East First Street, in the City of Santa Ana, County of Orange, California (the "subject property"). The Phase I Environmental Site Assessment is designed to provide Harbor Associates with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

Property Description

The subject property is located on the southern side of East First Street within a commercial area of the County of Orange. Please refer to the table below for further description of the subject property:

Subject Property Data

Address:	2020 East First Street, Santa Ana California 92705
Property Use:	Commercial
Land Acreage (Ac):	3.72 Acre
Number of Buildings:	One
Number of Floors:	Five
Gross Building Area (SF):	118,192
Net Rentable Area (SF):	111,483
Date of Construction:	1985
Assessor's Parcel Number (APN):	402-191-63
Type of Construction:	Steel frame
Current Tenants:	Development One, Celebration Education's Learning, and Fresenius Kidney Care
Site Assessment Performed By:	David Christian of Partner
Site Assessment Conducted On:	December 22, 2020

The subject property is currently utilized for commercial use. Onsite operations consist of office activity, educational instruction, medical services, and routine building maintenance. In addition to the current structure, the subject property is also improved with three hydraulic elevators, concrete paved sidewalks and flatwork, asphalt paved drives and parking areas, and associated landscaping.

According to available historical sources, the subject property was formerly developed with a residential building from at least 1896 to 1902; developed with a residential building and agricultural land from at least 1938 to 1963; redeveloped with two commercial buildings occupied by an auto dealership from at least 1965 to 1981; and developed with the current structure in 1985. Tenants on the subject property have included residents (1941-1946); a service station (1945); Hann OR Inc. Autos/ Honda Auto Leasing/ Santa Ana Chrysler Plymouth (1965-1981); and multiple professional offices including a dialysis facility (1985-Present).

The immediately surrounding properties consist of: East First Street followed by a professional and medical office building, Golden Circle Plaza and Sunland Motel to the north; St Jeanne De Estonnac

School Complex to the south; multi-family apartments under construction and East First Plaza to the east and a professional office building and St Jeanne De Estonnac School to the west

Information specific to the subject property regarding the depth to groundwater and direction of groundwater flow was not available for the subject area. However, according to information obtained from the California State Water Resources Control Board (SWRCB) GeoTracker database, of an investigation conducted in the vicinity of the subject property and topographic map interpretation, groundwater in the vicinity of the subject property is inferred to be approximately 44 to 54 feet below ground surface (bgs) and flows toward the south.

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner did not identify evidence of RECs during the course of this assessment.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify evidence of CRECs during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify evidence of HRECs during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- According to historical records, the subject property was formerly developed as an auto dealership from at least 1965 to 1981 and redeveloped with the existing office building in 1985. Based on Air Quality Management District (AQMD) records, O.R. Hann Chrysler-Plymouth was granted Permits to Operate (PTO) a spray booth paint and solvent equipment that was issued in 1977. No Notices of Violation (NOV), or Notices to Comply (NTC) were identified on file with the AQMD for this former occupant. No other information was available regarding the former auto

dealership. However, hazardous substances and petroleum products were likely associated with the former operations. This facility was not listed in the database report. As of the issuance of this report, a response has not been received to requests sent to the Orange County Healthcare Agency (OCHCA) and Orange County Fire Authority (OCFA). The subject property was redeveloped with the current office building in 1985. The footprint of the current building is located within the area of the former structures associated with the former auto dealership. No information to suggest a release from historical on-site activities was encountered during this assessment, and it is Partner's opinion that any potential subsurface features and/or residual contamination associated with former on-site activities would likely have been encountered during redevelopment activities. Furthermore, based on the length of time since the subject property was last used as an automotive-related facility (approximately 36 years), residual petroleum contamination (if any) would have likely degraded via natural attenuation. Therefore, the historical on-site operations are not expected to represent a significant environmental concern for the subject property.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 2020 East First Street, Santa Ana, Orange County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of RECs in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment, Partner recommends no further investigation of the subject property at this time.

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Figure 2 Site Plan
Figure 3 Topographic Map

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- Appendix A** Site Photographs
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1.0 INTRODUCTION

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at 2020 East First Street, Santa Ana, County of Orange, California (the "subject property"). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-13) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the *User* to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"). ASTM Standard E1527-13 constitutes "*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in accordance with the requirements of ASTM Standard E1527-13. This assessment included: 1) a property and adjacent site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor. Partner contacted local agencies, such as environmental health departments, fire departments and building departments in order to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-13, AULs are the legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the subject

property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the property.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all-appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

Harbor Associates engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Harbor Associates. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such

rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted the Terms and Conditions for which this report was completed. A copy of Partner's standard Terms and Conditions can be found at <http://www.partneresi.com/terms-and-conditions.php>.

1.5 Limiting Conditions

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-13. Specific limitations and exceptions to this ESA are set forth below:

- Interviews with past or current owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.
- Partner requested information relative to deed restrictions and environmental liens, a title search, and completion of a pre-survey questionnaire from the Report User. This information was not provided at the time of the assessment.
- Partner was unable to document the property use back to prior to 1938, or the date of first development, at 5-year intervals or less, which constitutes a data gap. Except for property tax files and recorded land title records, which were not considered to be sufficiently useful, Partner reviewed all standard historical sources and conducted appropriate interviews. The lack of this information is not considered to represent a significant data gap, as the earliest available historical documentation (1938 aerial photograph) shows the subject property to be a farmstead and orchard. Additionally, no significant changes in property use were identified during coverage gaps of greater than five years.
- Partner submitted Freedom of Information Act (FOIA) requests to Orange County Fire Authority, Orange County Health Care Agency and the City of Santa Ana Building Department (CSBD) for information pertaining to hazardous substances, underground storage tanks, releases, inspection records, etc. for the subject property and/or adjacent properties. As of this writing, these agencies have not responded to Partner's request. Based on information obtained from other historical sources, this limitation is not expected to alter the overall findings of this assessment.

Due to time constraints associated with this report, the Client has requested the report despite the above-listed limitations.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property at 2020 East First Street, Santa Ana, California is located on the southern side of East First Avenue. According to information obtained from the Orange County Recorder and online research, the subject property is legally described as *STAFFORD & TUSTIN TRACT TR#:737 A TR STAFFORD & TUSTIN TR BLK LOT D STAFFORD & TUSTIN TR LOT D W 3.80 AC N 11 AC*. Ownership is has been vested in 2020 East First Street LLC since 2018.

Please refer to Figure 1: Site Location Map, Figure 2: Site Plan, Figure 3: Topographic Map, and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently occupied by Development One, Celebration Education's Learning, and Fresenius Kidney Care. Onsite operations consist of office activity, educational instruction, medical services and routine maintenance. In addition to the current structure, the subject property is also improved with three hydraulic elevators, concrete paved sidewalks and flatwork, asphalt paved drives and parking areas and associated landscaping.

The subject property is designated for general commercial development by the City of Santa Ana.

The subject property was identified as a Facility Index System/Facility Registry System (FINDS), DTSC Hazardous Waste Transport System (HWTS) and an aboveground storage tank (AST) site in the regulatory database report, as further discussed in Section 4.2.

2.3 Current Use of Adjacent Properties

The subject property is located within a commercial area of the County of Orange. During the vicinity reconnaissance, Partner observed the following land use on properties in the immediate vicinity of the subject property:

Immediately Surrounding Properties

- North:** Professional and medical office building (2001 East First Street) Golden Circle Plaza (2023 and 2043 East First Street) and Sunland Motel (2099 East First Street) across East First Street)
- South:** St Jeanne De Estonnac School Complex (16791 East Main Street, Tustin)
- East:** Multi-family apartments under construction (2114 East First Street) and East First Plaza (2110 East First Street)
- West:** St Jeanne De Estonnac School and a professional office building (2000 and 2010 East First Street)

The adjacent properties were identified in the regulatory database report as further discussed in Section 4.2.

2.4 Physical Setting Sources

2.4.1 Topography

The United States Geological Survey (USGS) *Tustin, California* Quadrangle 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the subject property is located at approximately 135 feet above mean sea level (MSL). The contour lines in the area of the subject property indicate the area is sloping gently toward the south.

A copy of the topographic map is included as Figure 3.

2.4.2 Hydrology

According to topographic map interpretation, the direction of groundwater in the vicinity of the subject property is inferred to flow toward the south. The nearest surface water in the vicinity of the subject property is the Santa Ana River located approximately 2 miles west of the subject property. No settling ponds, lagoons, surface impoundments, wetlands or natural catch basins were observed at the subject property during this assessment.

According to available information, a public water system operated by the Santa Ana Utility Department serves the subject property vicinity. According to the City of Santa Ana Water Quality Report (2019), shallow groundwater beneath the subject property is not utilized for domestic purposes. The sources of public water for the City of Santa Ana are imported via the Metropolitan Water District of Southern California from the Colorado River via Lake Havasu and snowpack runoff from Northern California's Sierra Nevada. All imported water is treated in Yorba Linda or La Verne before delivery to Santa Ana. Local groundwater is pumped to the surface from 20 city-owned wells. No public supply wells were identified on or adjacent to the subject property.

Information specific to the subject property regarding the depth to groundwater and direction of groundwater flow was not available for the subject area. However, according to information obtained from the California SWRCB GeoTracker database, of an investigation conducted in the vicinity of the subject property, groundwater in the vicinity of the subject property is inferred to be approximately 44 to 54 feet bgs.

2.4.3 Geology/Soils

The subject property lies within the Orange County Coastal Plain area of the Los Angeles Basin. The plain consists of predominantly alluvial basin-fill material deposited by meandering tributaries of the Santa Ana River system (Morton, et al., 1979). The present channels of the Santa Ana River and Santiago Creek are located approximately one-half mile to the west and northwest, respectively. Surficial geology in the Property vicinity consists of recent alluvium of gravel, sand, silty sand, and clayey silt with an average thickness of 140 feet (Poland, et al., 1956; California DWR, 1967). This recent alluvium is underlain by the upper Pleistocene Lakewood Formation, which averages 500 feet in thickness and consists of alternating stratigraphic zones of coarse-grained sand and clayey silt.

Based on information obtained from the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey online database, the subject property is mapped

Mocho loam and San Emigdio fine sandy loam. The Bernard series consists of well drained soils of alluvium derived from sedimentary rock on alluvial fans. The San Emigdio series consists of well drained soils with a typical profile of fine sandy loam to 7 inches and stratified gravelly loamy coarse sand to fine sandy loam to 61 inches bgs. Slopes range from zero to two percent.

2.4.4 Flood Zone Information

Partner performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency. According to the FEMA Website, the Community Panel Number 06059C0277J dated December 3, 2009, the subject property appears to be located in Zone X (unshaded), an area of minimal flood hazard located outside the 100-year and 500-year flood plains.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below:

Historical Use Information		
Period/Date	Source	Description/Use
1896-1902	Topographic Maps	Residential
1938-1963	Aerial Photographs, Topographic Maps	Residential and Agricultural land/Orchards
1965-1981	Aerial Photographs, Topographic Maps, Building Records, City Directories	Commercial (car dealership)
1985-Present	Aerial Photographs, Building Records, City Directories, Interviews, Onsite Observations	Commercial (professional offices)

Tenants on the subject property have included residents (1941-1946); a service station (1945); Hann OR Inc. Autos/ Honda Auto Leasing/ Santa Ana Chrysler Plymouth (1965-1981); and multiple professional offices including a dialysis facility (1985-Present).

Potential environmental concerns were identified in associated with the historical use of the subject property, as further discussed below:

- The subject property was historically used for agricultural purposes. There is a potential that agricultural chemicals, such as pesticides, herbicides and fertilizers, were used onsite. However, no specific areas of concern for agricultural chemicals have been identified during the course of this assessment. No structures which might indicate storage or mixing activities were observed on the subject property in historical aerial photographs. Furthermore, during subsequent redevelopment and site grading activities, near surface soils (where residual agricultural chemical concentrations would have most likely been present, if at all) were generally mixed with fill material or disturbed during grading. The subject property was redeveloped with the existing improvements in 1985 and the majority of the site has been covered with relatively impervious surfaces (including buildings and paved areas) since that time, which minimizes direct contact with any potential remaining concentrations in the soil. Additionally, it is likely that residual agricultural chemicals (if any) would have significantly degraded since the site was last utilized for agricultural purposes. Based on these factors, coupled with the non-residential use of the subject property, the previous agricultural use of the subject property is not expected to represent an environmental concern.
- According to the city directory review the subject property was occupied by a service station (OClayt Scarbrough Service Station) in 1945. No additional information was found for this facility. The subject property was also listed as occupied by a resident (Eggleton B R) in 1941, 1945, and 1946. Based on a review of aerial photographs, the subject property appears to be developed with small single-family residence located in the northern-central portion in 1946. No structures indicating a former gas station were visible. Based on aerial photograph review (likely residential development), the former service station listings appears to be an error. Based on the

forementioned, short duration of occupancy (if ever present), redevelopment in circa 1966 and 1985, and amount of time elapsed, this listings is not expected to represent a significant environmental concern.

- According to historical records, the subject property was formerly developed as an auto dealership from at least 1965 to 1981 and redeveloped with the existing office building in 1985. Based on Air Quality Management District (AQMD) records, O.R. Hann Chrysler-Plymouth was granted Permits to Operate (PTO) a spray booth paint and solvent equipment that was issued in 1977. No Notices of Violation (NOV), or Notices to Comply (NTC) were identified on file with the AQMD for this former occupant. No other information was available regarding the former auto dealership. However, hazardous substances and petroleum products were likely associated with the former operations. This facility was not listed in the database report. As of the issuance of this report, a response has not been received to requests sent to the Orange County Healthcare Agency (OCHCA) and Orange County Fire Authority (OCFA). The subject property was redeveloped with the current office building in 1985. The footprint of the current building is located within the area of the former structures associated with the former auto dealership. No information to suggest a release from historical on-site activities was encountered during this assessment, and it is Partner's opinion that any potential subsurface features and/or residual contamination associated with former on-site activities would likely have been encountered during redevelopment activities. Furthermore, based on the length of time since the subject property was last used as an automotive-related facility (approximately 36 years), residual petroleum contamination (if any) would have likely degraded via natural attenuation. Therefore, the historical on-site operations are not expected to represent a significant environmental concern for the subject property.

3.1 Aerial Photograph Review

Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Data Resources (EDR) on December 21, 2020. The following was visible on the subject property and adjacent properties during the aerial photograph review:

Date:	1938, 1946, 1952	Scale:	1"=500'
Subject Property:	Appears to be developed with a farmstead and an orchard		
North:	Appears to be developed with an orchard across a road		
South:	Appears to be developed with an orchard		
East:	Appears to be developed with an orchard and a single-family residence		
West:	Appears to be developed with an orchard and a farmstead		
Date:	1963	Scale:	1"=500'
Subject Property:	Appears to be developed with a commercial structure within the northeastern portion with remnants of the orchard visible		
North:	Appears to be developed with an orchard across a road		
South:	Appears to be developed with an orchard		
East:	Appears to be developed with an orchard and a single-family residence		
West:	Appears to be developed with an orchard and a farmstead		

Date:	1966, 1972	Scale:	1"=500'
Subject Property:	Appears developed with two commercial rectangular buildings within the northern portion with multiple vehicle parking		
North:	Appears to be developed with an orchard across a road		
South:	Appears to be fallow agricultural land		
East:	Appears to be fallow agricultural land across the current cul-de-sac road		
West:	Appears developed with two commercial rectangular buildings with multiple vehicle parking		
Date:	1972	Scale:	1"=500'
Subject Property:	Appears developed with two commercial rectangular buildings within the northern portion with multiple vehicle parking		
North:	Appears to be developed with an orchard and a commercial building across a road		
South:	Appears to be developed with commercial buildings		
East:	Appears to be undeveloped land with multiple vehicle storage across the current cul-de-sac road		
West:	Appears developed with two commercial rectangular buildings with multiple vehicle parking		
Date:	1977	Scale:	1"=500'
Subject Property:	Appears developed with two commercial rectangular buildings within the northern portion with multiple vehicle parking		
North:	Appears developed with two commercial buildings and undeveloped land across the road		
South:	Appears to be developed with commercial buildings		
East:	Appears to be undeveloped land with multiple vehicle storage and the current commercial building across the current cul-de-sac road		
West:	Appears developed with two commercial rectangular buildings with multiple vehicle parking and a commercial building within the southern portion		
Date:	1985	Scale:	1"=500'
Subject Property:	Appears to be developed with the current commercial building		
North:	Appears to be developed with three commercial buildings across the road		
South:	Appears to be developed with commercial buildings		
East:	Appears developed with three commercial buildings across the current cul-de-sac road		
West:	Appears developed with two commercial rectangular buildings with multiple vehicle parking and a commercial building within the southern portion		
Date:	1989, 1994, 2002	Scale:	1"=500'
Subject Property:	Appears to be developed with the current commercial building		
North:	Appears to be developed with three commercial buildings across the road		
South:	Appears to be developed with commercial buildings		
East:	Appears developed with three commercial buildings across the current cul-de-sac road		
West:	Appears developed with two commercial rectangular buildings and a commercial building within the southern portion absent vehicle storage		

Date:	2005	Scale:	1"=500'
Subject Property:	Appears to be developed with the current commercial building		
North:	Appears to be developed with four commercial buildings across the road		
South:	Appears to be developed with commercial buildings		
East:	Appears developed with three commercial buildings across the current cul-de-sac road		
West:	Appears undeveloped within the northern portion and developed with an athletic field in the southern portion		

Date:	2009, 2012, 2016	Scale:	1"=500'
Subject Property:	Appears to be developed with the current commercial building		
North:	Appears to be developed with four commercial buildings across the road		
South:	Appears to be developed with commercial buildings		
East:	Appears developed with three commercial buildings across the current cul-de-sac road		
West:	Appears developed with an commercial building and an athletic field		

Copies of the aerial photographs are included in Appendix B.

3.2 Fire Insurance Maps

Partner contracted with EDR to search for Sanborn Map coverage of the subject property. Sanborn map coverage was not available for the subject property.

A copy of the *Certified Sanborn Map Report* is included in Appendix B.

3.3 City Directories

Partner reviewed historical city directories obtained from EDR for past names and businesses that were listed for the subject property and adjacent properties. The findings are presented in the following table:

City Directory Search for 2020 East First Street, Santa Ana California (Subject Property)	
Year(s)	Occupant Listed
1941	B E Eggleton
1945	B E Eggleton, OClayt Scarbrough Service Station
1946	B E Eggleton
1966	Hahn O R Inc. Autos, Honda's Auto Leasing
1975	Hahn O R Inc. Autos
1986	McMahon Partnership/Development
1991	Twenty-six professional offices including consulting firms, financial offices, banks, and various attorney offices
1995	Four professional offices including consulting firms
2002	Thirty-three professional office including environmental and engineering firms, financial offices, medical offices, and FMC Dialysis Services
2005	Twelve professional office including environmental and engineering firms, financial offices, and medical offices
2010	Forty-three professional office including environmental and engineering firms, medical offices, and financial offices
2014	Seventeen professional office including environmental and engineering firms, Signet Testing Laboratories, and medical offices

The subject property was previously occupied by a gasoline service station and automobile dealerships. Further discussion of the former onsite operations is included in Section 3.0.

City Directory Search for Adjacent Properties

Year(s)	Occupant Listed
1950	South: Residences (16791 East Main Street)
1955	South: Residences (16791 East Main Street)
1956	South: Residences (16791 East Main Street)
1966	South: Denk Jerom Rev, Sister Superior, Alvarez Isaura Mother (16791 East Main Street) West: Bill Barry Recreational Vehicle Div of Bill Barry Pontiac (2000 East First Street)
1970	South: Alvarez Isaura Mother (16791 East Main Street)
1975	West: Bill Barry Recreational Vehicle Div of Bill Barry Pontiac (2000 East First Street) East: Multiple professional offices (2110 East First Street); Commonwealth Motors LTD (2114 East First Street)
1980	Northwest: Multiple professional financial offices (2001 East First Street) East: Multiple professional offices (2110 East First Street); Commonwealth Motors LTD (2114 East First Street)
1986	North: Santa Ana Mazda (2031 East First Street) Northwest: Multiple professional financial offices (2001 East First Street) West: Santa Ana Mazda New Car Get Ready, Santa Ana Chrysler Plymouth, Freeway Auto Body (2000 East First Street) East: Multiple professional offices (2110 East First Street); Santa Ana Honda, Santa Ana Leasing (2114 East First Street)
1991	North: Multiple retail tenants including restaurants and Snow White Cleaners (2031 East First Street); Emilia's Fine Food (2101 East First Street) Northwest: B S I Consultants Inc. (2001 East First Street) East: Multiple professional offices (2110 East First Street); Santa Ana Honda, Santa Ana Hospital Medical Center (2114 East First Street)
1995	Northwest: B S I Consultants Inc. (2001 East First Street) East: DSG Associates (2110 East First Street)
2002	North: Carl's Jr Restaurant (2029 East First Street); multiple retail tenants including restaurants (2031 East First Street); Emilia's Fine Food, Hwangling (2101 East First Street) Northwest: Multiple professional medical offices (2001 East First Street) West: XXXX (2000 East First Street) East: Multiple professional offices (2110 East First Street); Auction US Car Nation, Santa Ana Public, County Public (2114 East First Street)
2005	North: Carl Karcher Enterprises (2029 East First Street); multiple retail tenants including restaurants (2031 East First Street); CRC Health Corporation (2101 East First Street) Northwest: Multiple professional medical offices (2001 East First Street) South: Roman Catholic Diocese of Orange, Tustin Unified School District, Sisters of the Company Mary (16791 East Main Street) East: Multiple professional offices (2110 East First Street); Juno Equipment Rentals Inc., Public Motors Inc., Automobile Sales, American Pro Corporation, Public Motors Inc. (2114 East First Street)
2010	North: Johnny's Burgers 4, Kim Jessica A, Lee Jeffery S (2029 East First Street); multiple retail tenants including restaurants, New Dry Cleaners , Snow White Cleaners (2031 East First

City Directory Search for Adjacent Properties

Year(s)	Occupant Listed

1950	South: Residences (16791 East Main Street)
1955	South: Residences (16791 East Main Street) Street); multiple medial offices (2101 East First Street) Northwest: Multiple professional medical offices (2001 East First Street) South: Roman Catholic Bishop of Orange, Tustin Unified School District, Sisters of the Company Mary, Superior Sister (16791 East Main Street) West: Multiple professional medical offices (2010 East First Street) East: Multiple professional offices (2110 East First Street); Juno Equipment Rentals Inc., Public Motors Inc., Nuvest Holdings LLC, Automobile Sales, American Pro Corporation, Public Motors Inc. (2114 East First Street)
2014	North: All Around Clock, Johnny's Burgers 4 (2029 East First Street); multiple retail tenants including restaurants and New Dry Cleaners (2031 East First Street); multiple medial offices (2101 East First Street) Northwest: Multiple professional medical offices (2001 East First Street) South: Roman Catholic Diocese of Orange, Tustin Unified School District, Sisters of the Company Mary (16791 East Main Street) West: Multiple professional medical offices (2010 East First Street) East: Multiple professional offices (2110 East First Street); Juno Equipment Rentals Inc., Public Motors Inc., Nuvest Holdings LLC, Automobile Sales, American Pro Corporation, Public Motors Inc. (2114 East First Street)

According to the city directory review, the adjacent properties have been occupied by various commercial tenants including car dealerships and dry cleaning businesses. Further discussion of the adjacent properties is included in Section 4.2.

Copies of reviewed city directories are included in Appendix B.

3.4 Historical Topographic Maps

Partner reviewed historical topographic maps obtained from EDR. The following was depicted on the subject property and adjacent properties during the topographic map review:

Dates: 1896, 1901, 1902,

Subject Property:	Depicted as undeveloped land
North:	Depicted as undeveloped land across a road
South:	Depicted as undeveloped land
East:	Depicted as undeveloped land
West:	Depicted as undeveloped land

Dates: 1932, 1935, 1942

Subject Property:	Depicted as developed with a residential-type structure
North:	Depicted as undeveloped land across Highway No 101/East First Street circa 1942
South:	Depicted as undeveloped land
East:	Depicted as undeveloped land

Dates: 1932, 1935, 1942

West: Depicted as undeveloped land

Date: 1948

Subject Property: Depicted as developed with an orchard and a residential-type structure

North: Depicted as developed with an orchard across a four land primary highway

South: Depicted as developed with an orchard

East: Depicted as developed with an orchard and a residential-type structure

West: Depicted as developed with an orchard and a residential-type structure

Date: 1950

Subject Property: Depicted as developed with a residential-type structure

North: Developed with structures

South: Depicted as undeveloped land

East: Depicted as developed with a residential-type structure

West: Depicted as developed with a residential-type structure

Date: 1964

Subject Property: Depicted as developed with two commercial-type structures

North: Depicted as developed with an orchard across a secondary highway: First Street

South: Depicted as developed with an orchard across a secondary highway: First Street

East: Depicted as undeveloped land

West: Depicted as developed with two commercial-type structures

Date: 1972, 1981

Subject Property: Depicted as developed with two commercial-type structures

North: Depicted as developed with an orchard across a secondary highway: First Street

South: Depicted as developed with an orchard across a secondary highway: First Street

East: Depicted as undeveloped land and developed with a commercial-type building

West: Depicted as developed with two commercial-type structures

Copies of reviewed topographic maps are included in Appendix B.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

4.1.1 State Department

Regulatory Agency Data

Name of Agency:	California Environmental Protection Agency (Cal/EPA)
Point of Contact:	CalEPA Regulated Sites Portal
Agency Address:	https://siteportal.calepa.ca.gov/nsite/ 1001 I Street, Sacramento, California 95814
Agency Phone Number:	(916) 323-2514
Date of Contact:	December 2020
Method of Communication:	Online Research
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the Cal/EPA. According to records reviewed and the regulatory database report, the subject property is registered as a Chemical Storage Facility operating as Fresno Orange County South as follows:

Various compliance evaluations have been conducted by the local Certified Unified Program Agency for the maintenance of a Hazardous Materials Release Response Plans (HMRRP). A 2014 HMRRP evaluation was listed as having no violations issued. The following notes were listed with a violation issued on August 18, 2017: *"On site for a routine hazardous materials inspection. Consent to enter and inspect granted by Gitty Tamadon. Observed the hazardous materials storage areas. The following hazardous materials were observed today: - 250 gallons 2K 2.25Ca dialysis solution - 250 gallons 2K 2.0Ca dialysis solution - 250 gallons 3K 2.25Ca dialysis solution - 3400 pounds Natrulyte Bicarb 4000 RX-12 powder - 1800 pounds water softener pellets - 2300 pounds 3K 2.25Ca Granuflo dry acid concentrate - 1900 pounds 2K 2.25Ca Granuflo dry acid concentrate - 1150 pounds 2K 2.0Ca Granuflo dry acid concentrate Annual hazardous materials training is completed using an online portal. Chapter 6.95 of Division 20 of the California Health and Safety Code (H&SC) and Section 11022 of Title 42 of the United States Code contain the minimum requirements for hazardous material inventory reporting and data management. These regulations require businesses within this jurisdiction to complete a chemical [Truncated]."* This statement likely refers to a proper chemical inventory. A subsequent evaluation conducted in 2018 identified no violations. Various other chemicals identified in connection with this operation includes sharps and infectious waste, Sodium Chloride, Sodium Bicarbonate and Acid Concentrates. No spills or major violations were identified. Based on the stringent regulatory oversight coupled with the absence of major violations, the storage and use of the hazardous substances is not expected to represent an environmental concern.

4.1.2 Health Department

Regulatory Agency Data

Name of Agency:	Orange County Health Care Agency (OCHCA)
Point of Contact:	Public Records Coordinator
Agency Address:	501241 E. Dyer Road, Suite 120, Santa Ana, California 92702
Agency Phone Number:	714-433-6424 Fax

Regulatory Agency Data

Date of Contact: December 20, 2020
Method of Communication: Faxed Request
Summary of Communication: As of the date of this report, Partner has not received a response from the OCHCA for inclusion in this report.

4.1.3 Fire Department

Regulatory Agency Data

Name of Agency: Orange County Fire Authority (OCFA)
Point of Contact: Public Records Coordinator
Agency Address: 1 Fire Authority Road, Irvine, California 92602
Agency Phone Number: 714-368-8836 Fax
Date of Contact: December 20, 2020
Method of Communication: Faxed Request
Summary of Communication: As of the date of this report, Partner has not received a response from the fire department for inclusion in this report.

4.1.4 Air Pollution Control Agency

Regulatory Agency Data

Name of Agency: South Coast Air Quality Management District (SCAQMD)
Point of Contact: Online Database
Agency Address: <http://www3.aqmd.gov/webappl/fim/prog/search.aspx>
21865 Copley Drive, Diamond Bar, California
Agency Phone Number: (909) 396-2000
Date of Contact: December 20, 2020
Method of Communication: Online Review
Summary of Communication: The following was identified on file with the SCAQMD:

- Amplican (facility ID 77954) was identified as a Communication Equipment facility that has been out of business. No Permits to Operate (PTO), Notices of Violation (NOV), or Notices to Comply (NTC) were listed for this former tenant.
- Option One Mortgage (facility ID 105678) was identified as out of business. No PTO, NOV, or NTC were listed for this former tenant.
- Woodward-Clyde (facility ID 87971) was identified as out of business. No PTO, NOV, or NTC were listed for this former tenant.
- O.R. Hann Chrysler-Plymouth (facility ID 24527) was identified as a general auto repair shop facility that has been out of business. This facility was granted a PTO a spray booth paint and solvent equipment that was issued in 1977. The permit has been inactive and no NOV, or NTC were listed for this former tenant.
- Santa Ana Chrysler Plymouth (facility ID 45052) was identified as a general auto repair shop facility that has been out of business. No PTO, NOV, or NTC were listed for this former tenant.
- Fresenius Medical Care North America (facility ID 152827) was identified as an active business. This facility was granted a PTO for a diesel powered emergency generator equipment that was

issued in 2007. The permit was listed as inactive. One NTC was listed related to excess emissions of refrigerant chemicals in 2012. This NTC has a status of "Change of Ownership". No NOV was listed for this facility. No violations were or releases were on file for this tenant. Based on the nature of equipment (aboveground diesel generator), this listing is not expected to represent a significant environmental concern.

Further discussion of the former auto repair operations is included in Section 3.0.

4.1.5 Regional Water Quality Agency

Regulatory Agency Data

Name of Agency:	California State Water Resources Control Board (SWRCB)
Point of Contact:	SWRCB GeoTracker Database
Agency Address:	http://geotracker.waterboards.ca.gov/ http://geotracker.waterboards.ca.gov/historical_ust_facilities 1001 I Street, Sacramento, California 95814
Agency Phone Number:	(916) 341-5250
Date of Contact:	December 28, 2020
Method of Communication:	Online Review
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the SWRCB.

4.1.6 Department of Toxic Substances Control

Regulatory Agency Data

Name of Agency:	California Department of Toxic Substances Control (DTSC)
Point of Contact:	DTSC EnviroStor and Hazardous Waste Tracking System Databases
Agency Address:	http://www.envirostor.dtsc.ca.gov/public/ http://hwts.dtsc.ca.gov/report_search.cfm?id=5 1001 I Street, Sacramento, California 95814
Agency Phone Number:	(916) 324-1826
Date of Contact:	December 20, 2020
Method of Communication:	Online Review
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs, manifest records and AULs on the subject property were on file with the DTSC.

4.1.7

4.1.7 Building Department

Regulatory Agency Data

Name of Agency:	City of Santa Ana Building Department (CSBD)
Point of Contact:	City Clerk
Agency Address:	20 Civic Center Plaza, Room 809, Santa Ana, California 92702
Agency Phone Number:	(714) 647-6520
Date of Contact:	December 20, 2020
Method of Communication:	Fax

Regulatory Agency Data

Summary of Communication: As of the date of this report, Partner has not received a response from the CSBD for inclusion in this report. Partner's historical research and previously reviewed permit records identified the following:

Building Records Reviewed for 2020 East First Street (Subject Property)

Year(s)	Owner/Applicant	Description
1984	McMahon/ Oliphant Properties	Various permit approvals including electrical, plumbing, mechanical for a new 5-story office building
1985	McMahon	New concrete foundation for a 5-story office building
1985	McMahon/ Oliphant Properties	Certificate of Occupancy for a shell only building
1986	Keith D. Roy	New construction of a deli restaurant (unit 103)
1986	McMahon Development	Add two restrooms to first floor Tenant improvements/ new office spaces
1993	Tobishima Development Co.	Tenant improvements to add partitions and ceilings/ build out
1999	FMC Dialysis Services	Occupancy inspection application for an outpatient dialysis center
1999	Hutton Development Co.	Tenant improvement for new medical offices
2003	Colton Capital Company	Interior alterations of a bathroom to comply with ADA equipment
2004	The Colton Company	Expansion of existing Dialysis Clinic, adding 13 stations

4.1.8 Planning Department

Regulatory Agency Data

Name of Agency: City of Santa Ana Planning Department (CSAPD)
Point of Contact: City Clerk
Agency Address: 20 Civic Center Plaza, Room 809, Santa Ana, California 92702
Agency Phone Number: (714) 647-6520
Date of Contact: December 20, 2020
Method of Communication: Online
Summary of Communication: According to Website records reviewed, the subject property is zoned as C1, General Commercial development by the City of Santa Ana Planning Department.

4.1.9 Oil & Gas Exploration

Regulatory Agency Data

Name of Agency: California Geologic Energy Management Division (CalGEM)
Point of Contact: CalGem Well Finder Mapping Application
Agency Address: <https://maps.conservation.ca.gov/doggr/wellfinder/#close>
801 K Street, MS 24-01, Sacramento, California 95814
Agency Phone Number: (916) 322-1080
Date of Contact: December 20, 2020

Regulatory Agency Data

Method of Communication: Online Records Review
Summary of Communication: According to CalGEM, no oil or gas wells are located on or adjacent to the subject property.

4.1.10 Assessor's Office

Regulatory Agency Data

Name of Agency: Orange County Tax Assessor (OCTA)
Point of Contact: Records Repository: Assessor.orangecounty.gov
Agency Address: 500 S. Main Street, 2nd Floor, Orange California 92868
Agency Phone Number: (714) 834-2727
Date of Contact: December 20, 2020
Method of Communication: Online Review
Summary of Communication: According to records reviewed, the subject property is identified by Assessor Parcel Number (APN) 402-191-03. No other information was available online.

Copies of pertinent documents obtained from the regulatory agencies listed above, if available, are included in Appendix B.

4.2 Mapped Database Records Search

Information from standard federal, state, county, and city environmental record sources were provided by Environmental Data Resources, Inc. (EDR). Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. The information contained in this report was compiled from publicly available sources and the locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet.

Using the ASTM definition of migration, Partner considers the migration of hazardous substances or petroleum products in any form onto the subject property during the evaluation of each site listed on the radius report, which includes solid, liquid, and vapor.

4.2.1 Regulatory Database Summary

Radius Report Data

Database	Search Radius (mile)	Subject Property	Adjacent Properties	Sites of Concern
Federal NPL or Delisted NPL Site	1.00	N	N	N
Federal SEMS Site	0.50	N	N	N
Federal SEMS-Archive Site	0.50	N	N	N
Federal RCRA CORRACTS Facility	1.00	N	N	N
Federal RCRA TSDF Facility	0.50	N	N	N
Federal RCRA Generators Site-LQG, SGG CESQG	0.25	N	Y	N/A
Federal IC/EC Registries	0.50	N	N	N
Federal ERNS Site	Subject Property	N	N/A	N/A

State/Tribal Equivalent NPL	1.00	N	N	N
State/Tribal Landfill/Solid Waste Disposal Site	0.50	N	N	N
State/Tribal Leaking Storage Tank Site	0.50	N	Y	N
State/Tribal Registered Storage Tank Sites (UST/AST/CA FID UST/HIST UST/SWEEPS UST)	0.25	N	Y	N/A
State/Tribal Voluntary Cleanup Sites (VCP)	0.50	N	N	N
State/Tribal Spills	0.50	N	N	N
Federal Brownfield Sites	0.50	N	N	N
State Brownfield Sites	0.50	N	N	N
CUPA Listings Sites	0.50	N	Y	N
Miscellaneous Databases	Varies	Y	Y	N
EDR MGP	1.00	N	N	N
EDR Hist Auto	0.125	N	N	N/A
EDR Hist Cleaner	0.125	N	N	N/A

4.2.2 Subject Property Listings

The subject property is identified as a FINDS, HWTS and an AST site in the regulatory database report, as discussed below:

- Fresenius Orange County South at 2020 East 1st Street is registered in the CERS databases as a Chemical Storage Facility as previously discussed in Section 4.1.1. Compliance evaluations were conducted that indicated administrative violations in 2017 that were reported as returned to compliance in 2018 (failure to submit CUPA documents, site plan, hazardous substance inventory etc). Based on stringent regulatory agency oversight, this listing is not expected to represent an environmental concern. Partner notes that this CERS listings was included under Santa Ana CHR PLY & ISUZU at 2000 East First Street, which was incorrectly addressed. Further discussion of the adjacent property listing is included in Section 4.2.3.
- The subject property, identified as URS at 2020 East First Street, is listed as an AST and FINDS sites. This facility was permitted with at least one AST of an unspecified content. No other specific information was listed for the subject property. According to AQMD records, the subject property was granted a permit to operate a diesel powered emergency generator in 2012. Partner presumes that this listing is associated with the diesel tank from the emergency generator equipment. No major violations and release were listed for the subject property. During the site reconnaissance, Partner did not observe an emergency generator onsite. Based on agency oversight and the nature of this equipment (generator), this listing is not expected to represent a significant environmental concern.
- Koll Management Services at 2020 East 1st Street is registered as an inactive hazardous waste transporter facility as of 1998. No additional information was reported. This facility is not listed in databases indicative of a release of hazardous substances. Based on the absence of releases, this listing is not expected to represent an environmental concern. .

4.2.3 Adjacent Property Listings

The adjacent property to the north is identified as a Resource Conservation and Recovery Act-NonGen/No Longer Regulated (RCRA-NonGen/NLR), Drycleaners, EDR Hist Cleaner, and HWTS listings site in the regulatory database report, as discussed below:

- New Cleaners/Snow White Dry Cleaners/Perfect Cleaners located at 2031 E. First Street is located approximately 350 feet up-gradient of the subject property with RCRA NonGen/NLR, Drycleaners, EDR Hist Cleaner, and HWTS listings. New Cleaners reportedly utilized petroleum solvents in the dry-cleaning equipment. This facility is reported as inactive in 2008 and the RCRA database lists the facility as a verified non-generator. Perfect Cleaners is also reportedly inactive and utilized fluorocarbon dry cleaning equipment. EDR identified dry-cleaning operations at this address from at least 1988 to 2014. This facility is not listed on databases indicative of releases of hazardous substances. Based on the absence of releases of hazardous substances coupled with the stringent regulatory agency oversight, these listings are not expected to represent an environmental concern and it is unlikely that a regulatory file review for this site would alter the findings of this report.

The adjacent properties to the east are identified as a Leaking Underground Storage Tank (LUST) California Facility Inventory Underground Storage Tank (CA FID UST), Hazardous Substance Storage Container (HIST UST), Statewide Environmental Evaluation and Planning System (SWEEPS UST), National Pollutant Discharge Elimination System (NPDES), CERS, HWTS, RCRA-Non-Generator/No Longer Regulated (RCRA-NonGen/NLR), FINDS, Enforcement and Compliance History Online (ECHO) and Orange County Industrial (OCIS) site in the regulatory database report, as discussed below:

- Honda Santa Ana at 2114 E. First Street, was formerly located adjacent to the east of the subject property. Along with the above noted listings, this site is identified as a LUST site with a reported release of gasoline on October 18, 1995, which reportedly impacted soil only. Regulatory closure was noted as obtained on June 5, 1996. This facility formerly operated a 2,000-gallon regular unleaded gasoline UST and a 1,000-gallon waste oil UST installed in 1984. The OCIS listing indicates a release of waste oil with a closure certification issued on June 23, 1998. CERS reports this facility as a leaking underground storage tank clean-up site. Based on the removal of USTs and contaminated soil coupled with the regulatory agency closure status these listings are not expected to represent an environmental concern and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.
- First Point Apartments at 2114 East First Street (existing address) and AECOM, AHLC Santa Ana Family at 2110 East First Street (prior address) are located adjacent to the east of the subject property with RCRA NonGen/NLR listings. Additionally, the facility was enrolled in the NPDES and CERS databases for stormwater management during construction activities currently underway. Based on the nature of the databases with regulatory oversight, these listings are not expected to represent an environmental concern.

The adjacent property to the west was identified as an RCRA-SQG, a CA FID UST, Hist Cortese, HIST UST, SWEEPS UST, CERS, HAZNET, FINDS and ECHO site in the regulatory database report, as discussed below:

- Former Santa Ana Chrysler Plymouth and Izusu/Freeway Auto Body at 2000 East 1st Street registered in 1996 as a small quantity generator of hazardous substances with no violations found and no evaluations conducted. Historical UST databases indicate the former presence of a 250-gallon waste oil tank installed in 1985. The Environmental Interest/Information System points to the RCRA database. The ECHO database reports the no violations status. This facility transported offsite for proper disposal quantities of aqueous solution with total organic residues of 10 percent, unspecified oil-containing waste and unspecified aqueous solutions at various times from 1988 to 1996. This facility is not listed on databases indicative of a release of hazardous substances. Based on the absence of releases of hazardous substances coupled with the stringent regulatory agency oversight, these listings are not expected to represent an environmental concern and it is unlikely that a regulatory file review for this site would alter the findings of this report.

Based on the findings, vapor migration is not expected to represent a significant environmental concern at this time.

4.2.4 Sites of Concern Listings

No sites of concern with the potential to adversely impact the subject property are identified in the regulatory database report. Based on various mitigating factors including relative distance from the subject property, inferred direction of groundwater flow, media affected, and/or regulatory status, listed sites within the specified search radius of the subject property which appeared on local, State, or Federally published lists of sites that have had releases of hazardous substances are not expected to represent a significant environmental concern.

Based on the findings, vapor migration is not expected to represent a significant environmental concern at this time.

4.2.5 Orphan Listings

No orphan listings of potential environmental concern to the subject property are identified in the regulatory database report.

A copy of the regulatory database report is included in Appendix C.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *User* should provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiries* is not complete. The *User* is asked to provide information or knowledge of the following:

- Review Title and Judicial Records for Environmental Liens and AULs
- Specialized Knowledge or Experience of the User
- Actual Knowledge of the User
- Reason for Significantly Lower Purchase Price
- Commonly Known or *Reasonably Ascertainable* information
- Degree of Obviousness
- Reason for Preparation of this Phase I ESA

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM E1527-13, Partner requested the following site information from Harbor Associates (User of this report).

User Responsibilities				
Item	Provided By User	Not Provided By User	Discussed Below	Does Not Apply
Environmental Pre-Survey Questionnaire			X	
Title Records, Environmental Liens, and AULs			X	
Specialized Knowledge			X	
Actual Knowledge			X	
Valuation Reduction for Environmental Issues			X	
Identification of Key Site Manager	Section 5.1.3			
Reason for Performing Phase I ESA	Section 1.1			
Prior Environmental Reports			X	
Other				X

5.1 Interviews

5.1.1 Interview with Owner

The owner of the subject property was not available to be interviewed at the time of the assessment.

5.1.2 Interview with Report User

Please refer to Section 5.2 below for information requested from the Report User. The information requested was not received prior to the issuance of this report.

5.1.3 Interview with Key Site Manager

Ms. Debbie Dodd, key site manager, indicated that they had no information pertaining to any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

5.1.4 Interviews with Past Owners, Operators and Occupants

Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap.

5.1.5 Interview with Others

As the subject property is not an abandoned property as defined in ASTM 1527-13, interview with others were not performed.

5.2 User Provided Information

5.2.1 Title Records, Environmental Liens, and AULs

Partner was not provided with title records or environmental lien and AUL information for review as part of this assessment.

5.2.2 Specialized Knowledge

No specialized knowledge of environmental conditions associated with the subject property was provided by the User at the time of the assessment.

5.2.3 Valuation Reduction for Environmental Issues

No knowledge of valuation reductions associated with the subject property was provided by the User at the time of the assessment.

5.2.4 Commonly Known or Reasonably Ascertainable Information

The User did not provide information that is commonly known or *reasonably ascertainable* within the local community about the subject property at the time of the assessment.

5.2.5 Previous Reports and Other Provided Documentation

The following information was provided to Partner for review during the course of this assessment:

Phase I Environmental Site Assessment, Farallon Consulting LLC (May 30, 2018)

Farallon Consulting prepared this report on behalf of Harbor Associates, LLC. The assessment was performed in accordance with ASTM Standard E1527-13. The assessment consisted of a site reconnaissance, interviews with knowledgeable personnel, review of historical information, a review of federal, state and local regulatory databases. Pertinent information contained in this report is summarized below:

- At the time of the 2018 assessment, the subject property was partially occupied by Aerotek, a recruiting company; Fresenius Medical Care Dialysis Service; Celebration Educations Learning Bottega and Development One, Inc., an architectural office.
- According to the Farallon Consulting report, the subject property formerly occupied by an automobile dealership from approximately 1965 to 1985. The Santa Ana Chrysler Plymouth formerly located on the subject property was identified in a HIST TANK database. The type of tank, underground or aboveground, was not provided. The subject property was redeveloped after Santa Ana Chrysler Plymouth closed in 1985, and any tanks associated with these operations likely would have been removed at that time. Based on the information provided in a database report (i.e., absence of release listings) and redevelopment that likely would have included removal of the tank, the historical automobile dealership on the subject property does not represent a recognized environmental condition in connection with the subject property.
- No current or former USTs were identified on the subject property.
- Fallon observed 11 ASTs for a water filtration system
- Hazardous substances in the form of cleaning, maintenance supplies, chemical and medical supplies (dialysis unit) were observed to be properly labelled and storage at the time of the assessment absent leaks or staining.

Farallon Consulting identified no RECs and recommended no further investigation.

Copies of pertinent pages reviewed are not included in Appendix B.

6.0 SITE RECONNAISSANCE

The weather at the time of the site visit was clear. Refer to Section 1.5 for limitations encountered during the field reconnaissance and Sections 2.1 and 2.2 for subject property operations. The table below provides the site assessment details:

Site Assessment Data

Site Assessment Performed By: David Christian
Site Assessment Conducted On: December 22, 2020

The table below provides the subject property personnel interviewed during the field reconnaissance:

Site Visit Personnel for 2020 East First Street, Santa Ana, California (Subject Property)

Name	Title/Role	Contact Number	Site Walk* Yes/No
Ms. Debbie Dodd	Key Site Manager	(949) 777-5446	No
Mr. Edward Hill	Day Porter	(714) 499-3015	Yes

** Accompanied Partner during the field reconnaissance activities and provided information pertaining to the current operations and maintenance of the subject property.*

No potential environmental concerns were identified during the onsite reconnaissance.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Solid waste generated at the subject property is disposed of in commercial dumpsters located on the subject property. An independent solid waste disposal contractor, Waste Management Services, removes solid waste from the subject property. According to property personnel, only domestic debris is collected in the on-site solid waste dumpsters. Medical waste generated on the subject property is collected by an independent contractor. No evidence of illegal dumping of solid waste was observed during the Partner site reconnaissance.

6.1.2 Sewage Discharge and Disposal

Sanitary discharges on the subject property are directed into the municipal sanitary sewer system. The City of Santa Ana services the subject property vicinity. No wastewater treatment facilities or septic systems are observed or reported on the subject property.

6.1.3 Surface Water Drainage

Storm water is removed from the subject property primarily by sheet flow action across the paved surfaces towards storm water drains located throughout the subject property and in the public right of way. Site storm water from the roof, landscaped areas, and paved areas is directed to on-site concrete swales, which drain to the public right of way, and to on-site storm water drains. The subject property is connected to a municipal owned and maintained sewer system.

The subject property does not appear to be a designated wetland area, based on information obtained from the United States Fish and Wildlife Service. No surface impoundments, wetlands, natural catch

basins, settling ponds, or lagoons are located on the subject property. No drywells were identified on the subject property.

6.1.4 Source of Heating and Cooling

Heating and cooling systems as well as domestic hot water equipment are fueled by electricity and natural gas provided by the Southern California Edison and Southern California Gas. The mechanical system is comprised of rooftop-mounted heating ventilation and cooling (HVAC) units. Water is heated by three, 100-gallon capacity gas-fired units.

6.1.5 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

6.1.6 Wastewater

Domestic wastewater generated at the subject property is disposed by means of the sanitary sewer system. No industrial process is currently performed at the subject property.

6.1.7 Septic Systems

No septic systems were observed or reported on the subject property.

6.1.8 Additional Site Observations

No additional general site characteristics were observed during the site reconnaissance.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

No evidence of the use of reportable quantities of hazardous substances was observed on the subject property. Small quantities of general maintenance supplies and medical related supplies were found to be properly labeled and stored at the time of the assessment with no signs of leaks, stains, or spills. The storage and use of these supplies does not appear to pose a significant threat to the environmental integrity of the subject property at this time.

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

No evidence of current or former ASTs or USTs was observed during the site reconnaissance.

6.2.3 Evidence of Releases

No spills, stains or other indications that a surficial release has occurred at the subject property were observed.

6.2.4 Polychlorinated Biphenyls (PCBs)

Older transformers and other electrical equipment could contain PCBs at a level that subjects them to regulation by the U.S. EPA. PCBs in electrical equipment are controlled by United States Environmental Protection Agency regulations 40 CFR, Part 761. Under the regulations, there are three categories into

which electrical equipment can be classified: 1) Less than 50 parts per million (ppm) of PCBs – “Non-PCB;” 2) 50 ppm-500 ppm – “PCB-Contaminated;” and, 3) Greater than 500 ppm – “PCB-Containing.” The manufacture, process, or distribution in commerce or use of any PCB in any manner other than in a totally enclosed manner was prohibited after July 2, 1979.

The on-site reconnaissance addressed indoor and outdoor transformers that may contain PCBs. An outdoor pad-mounted transformer and one step-down indoor transformer were observed on the subject property. The transformers are not labeled indicating PCB content. No staining or leakage was observed in the vicinity of the transformers. Southern California Edison maintains ownership and operational responsibility for the outdoor transformer. Based on the good condition of the equipment, the transformers are not expected to represent a significant environmental concern.

Three hydraulic elevators are present at the subject property. The hydraulic equipment room was well ventilated with minor floor staining observed adjacent to the equipment. Based on the good condition of the equipment, the elevator equipment is not expected to represent an environmental concern.

Additionally, no other potential PCB-containing equipment (oil-filled switches, hoists, lifts, dock levelers, balers, etc.) was observed on the subject property during Partner’s reconnaissance.

6.2.5 Strong, Pungent or Noxious Odors

No strong, pungent or noxious odors were evident during the site reconnaissance.

6.2.6 Pools of Liquid

No pools of liquid were observed on the subject property during the site reconnaissance.

6.2.7 Drains, Sumps and Clarifiers

No drains, sumps, or clarifiers, other than those associated with storm water removal, were observed on the subject property during the site reconnaissance.

6.2.8 Pits, Ponds and Lagoons

No pits, ponds or lagoons were observed on the subject property.

6.2.9 Stressed Vegetation

No stressed vegetation was observed on the subject property.

6.2.10 Additional Potential Environmental Hazards

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

6.3 Non-ASTM Services

6.3.1 Asbestos-Containing Materials (ACMs)

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be *presumed* to contain asbestos, for purposes of this regulation. All thermal

system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building constructed prior to 1981 and have not been appropriately tested are “presumed asbestos-containing material” (PACM).

The subject property building was constructed in 1985. As such, an asbestos evaluation was not required by the scope of services; however, please refer to the table below for observed materials that would be considered suspect ACMs in the event of a thorough survey:

Suspect ACMs			
Suspect ACM	Location	Friable Yes/No	Physical Condition
Drywall Systems	Throughout Building Interior	No	Good
Floor Tiles/Mastic	Throughout Building Interior	No	Good
Drop-In Ceiling tiles	Throughout Building Interior	No	Good
Roofing Materials	Roof	N/A	Not Assessed

The limited visual survey consisted of noting observable materials (materials which were readily accessible and visible during the course of the site reconnaissance) that are commonly known to potentially contain asbestos. This activity was not designed to discover all sources of suspect ACM, PACM, or asbestos at the site; or to comply with any regulations and/or laws relative to planned disturbance of building materials such as renovation or demolition, or any other regulatory purpose. Rather, it is intended to give the User an indication if significant (significant due to quantity, accessibility, or condition) potential sources of ACM or PACM are present at the subject property. Additional sampling, assessment, and evaluation will be warranted for any other use.

Partner was not provided building plans or specifications for review, which may have been useful in determining areas likely to have used ACM.

According to the US EPA, ACM and PACM that is intact and in good condition can, in general, be managed safely in-place under an Operations and Maintenance (O&M) Program until removal is dictated by renovation, demolition, or deteriorating material condition. Prior to any disturbance of the construction materials within this facility, a comprehensive ACM survey is recommended.

6.3.2 Lead-Based Paint (LBP)

Lead is a highly toxic metal that affects virtually every system of the body. LBP is defined as any paint, varnish, stain, or other applied coating that has 1 mg/cm² (or 5,000 ug/g or 0.5% by weight) or more of lead. Congress passed the Residential Lead-Based Paint Hazard Reduction Act of 1992, also known as “Title X”, to protect families from exposure to lead from paint, dust, and soil. Under Section 1017 of Title X, intact LBP on most walls and ceilings is not considered a “hazard,” although the condition of the paint should be monitored and maintained to ensure that it does not become deteriorated. Further, Section 1018 of this law directed the Housing and Urban Development (HUD) and the US EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978.

It is unlikely that LBP is present in buildings constructed after 1977. Therefore, due to the age of the subject property building (1985), it is unlikely that LBP is present.

6.3.3 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, according to the table below:

EPA Radon Zones		
EPA Zones	Average Predicted Radon Levels	Potential
Zone 1	Exceed 4.0 pCi/L	Highest
Zone 2	Between 2.0 and 4.0 pCi/L	Moderate
Zone 3	Less than 2.0 pCi/L	Low

It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not conducted as part of this assessment. Review of the US EPA Map of Radon Zones places the subject property in Zone 2. Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

6.3.4 Lead in Drinking Water

According to available information, a public water system operated by the Santa Ana Department of Public Works and Engineering serves the subject property vicinity. According to the City of Santa Ana Water Quality Report (2019), shallow groundwater beneath the subject property is not utilized for domestic purposes. The sources of public water for the City of Santa Ana are imported via the Metropolitan Water District of Southern California from the Colorado River via Lake Havasu and snowpack runoff from Northern California's Sierra Nevada. All imported water is treated in Yorba Linda or La Verne before delivery to Santa Ana. Local groundwater is pumped to the surface from 20 city-owned wells. According to the City of Santa Ana and the 2019 Annual Water Quality Report, water supplied to the subject property is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper. Water sampling was not conducted to verify water quality.

6.3.5 Mold

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g. in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

Partner observed accessible, interior areas for the subject property buildings for significant evidence of mold growth with the exceptions detailed in Section 1.5 of this report; however, this ESA should not be

used as a mold survey or inspection. Additionally, this limited assessment was not designed to assess all areas of potential mold growth that may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication as to whether or not conspicuous (based on observed areas) mold growth is present at the subject property. This evaluation did not include a review of pipe chases, mechanical systems, or areas behind enclosed walls and ceilings.

No obvious indications of water damage or mold growth were observed during Partner's visual assessment.

6.4 Adjacent Property Reconnaissance

The adjacent property reconnaissance consisted of observing the adjacent properties from the subject property premises. No items of environmental concern were identified on the adjacent properties during the site assessment, including hazardous substances, petroleum products, ASTs, USTs, evidence of releases, PCBs, strong or noxious odors, pools of liquids, sumps or clarifiers, pits or lagoons, stressed vegetation, or any other potential environmental hazards.

7.0 FINDINGS AND CONCLUSIONS

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner did not identify evidence of RECs during the course of this assessment.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify evidence of CRECs during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify evidence of HRECs during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- According to historical records, the subject property was formerly developed as an auto dealership from at least 1965 to 1981 and redeveloped with the existing office building in 1985. Based on Air Quality Management District (AQMD) records, O.R. Hann Chrysler-Plymouth was granted Permits to Operate (PTO) a spray booth paint and solvent equipment that was issued in 1977. No Notices of Violation (NOV), or Notices to Comply (NTC) were identified on file with the AQMD for this former occupant. No other information was available regarding the former auto dealership. However, hazardous substances and petroleum products were likely associated with the former operations. This facility was not listed in the database report. As of the issuance of this report, a response has not been received to requests sent to the Orange County Healthcare Agency (OCHCA) and Orange County Fire Authority (OCFA). The subject property was redeveloped with the current office building in 1985. The footprint of the current building is located within the area of the former structures associated with the former auto dealership. No information to suggest a release from historical on-site activities was encountered during this

assessment, and it is Partner's opinion that any potential subsurface features and/or residual contamination associated with former on-site activities would likely have been encountered during redevelopment activities. Furthermore, based on the length of time since the subject property was last used as an automotive-related facility (approximately 36 years), residual petroleum contamination (if any) would have likely degraded via natural attenuation. Therefore, the historical on-site operations are not expected to represent a significant environmental concern for the subject property.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 2020 East First Street, Santa Ana, Orange County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of RECs in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment, Partner recommends no further investigation of the subject property at this time.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Phase I Environmental Site Assessment of the property located at 2020 East First Street in the City of Santa Ana, County of Orange, California in conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

By signing below, Partner declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR §312. Partner has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all-appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:

DRAFT

David Christian
Environmental Professional

Reviewed By:

DRAFT

Sheryl A. Amezcua
Senior Author

DRAFT

Robert Vaughn
National Client Manager

9.0 REFERENCES

Reference Documents

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-13.

California Environmental Protection Agency (Cal EPA) accessed via the Internet, December 2020.

California State Department of Geologic Energy Management Division (CalGEM), accessed via the Internet, , December 2020.

California State Department of Toxic Substances Control – EnviroStor, accessed via the Internet, December 2020.

California State Department of Toxic Substances Control – Hazardous Waste Tracking System, accessed via the Internet, December 2020.

California State Water Resources Control Board – GeoTracker, accessed via the Internet, December 2020.

Environmental Data Resources, Inc. (EDR), 6 Armstrong Road, 4th floor, Shelton, Connecticut 06484

EDR, Certified Sanborn Map Report, December 2020.

EDR, Aerial Photo Decade Package, December 2020.

EDR, City Directory Abstract, December 2020.

EDR, Historical Topo Map Report, December 2020.

EDR, Radius Map Report, December 2020.

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via the internet, December 2020.

Google Earth accessed via the Internet, December 2020.

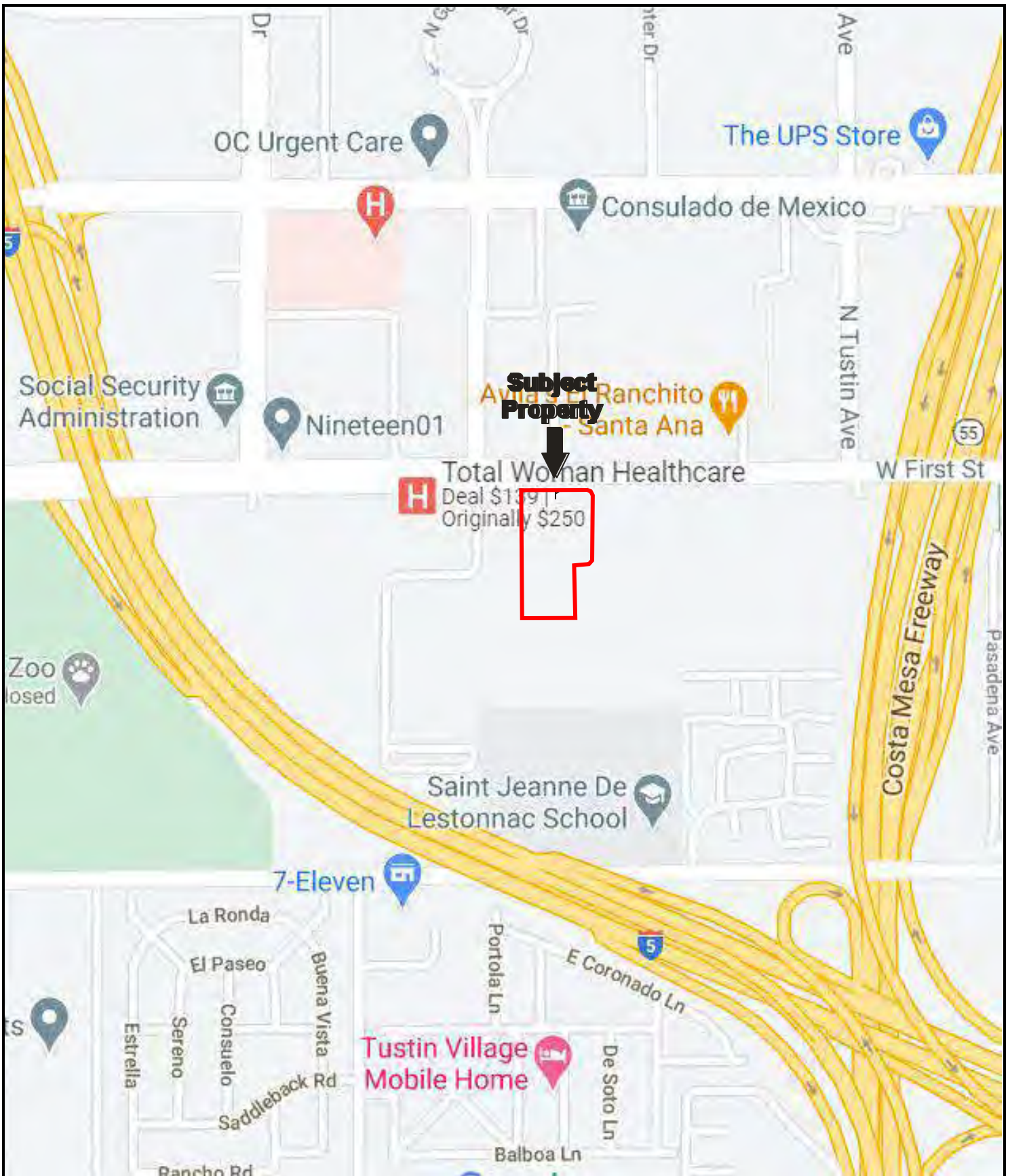
United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the internet, December 2020.

United States Department of Fish & Wildlife Service *Wetlands Mapper* accessed via the internet, December 2020.

United States Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the internet, December 2020.

FIGURES

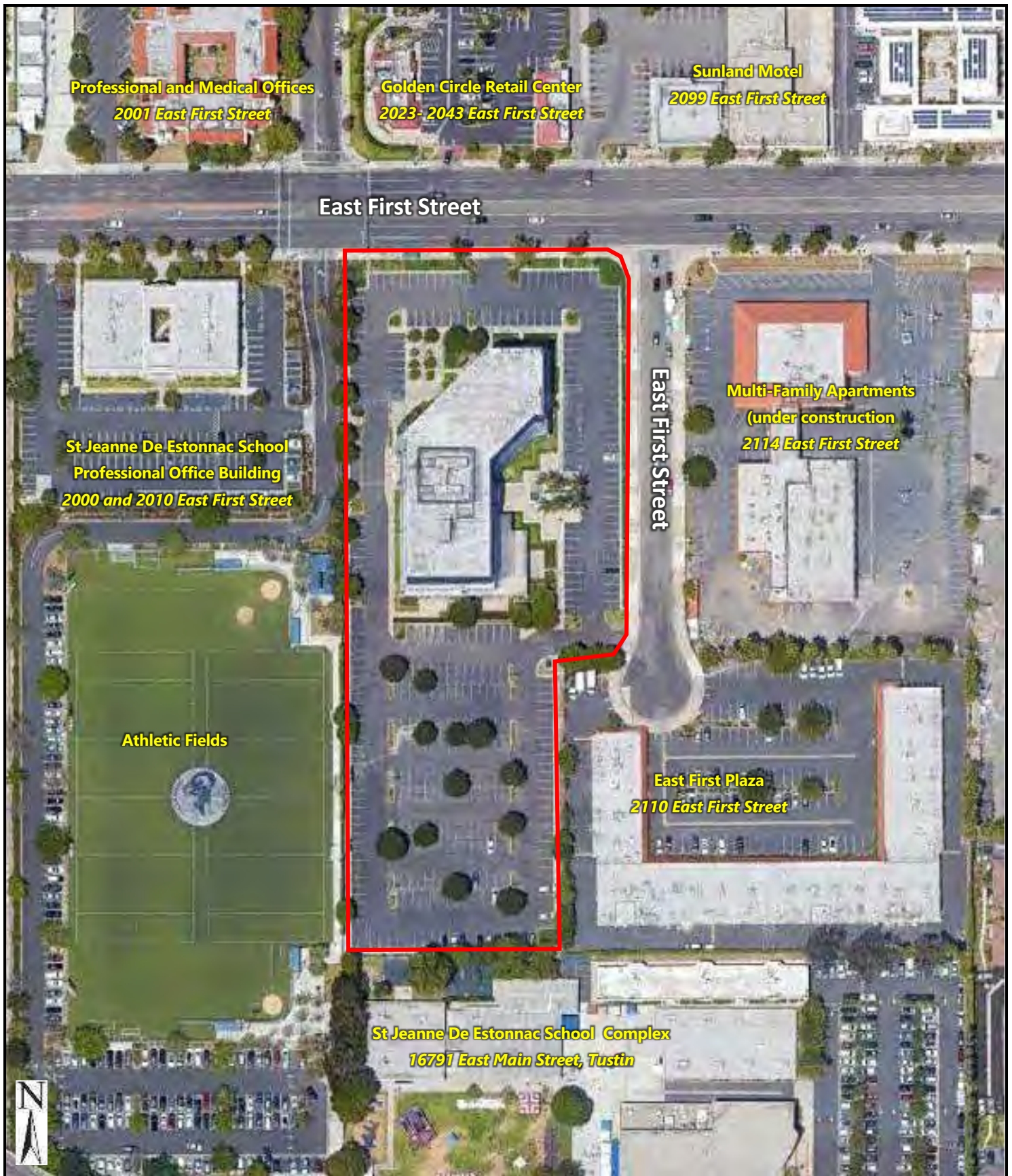
- 1 SITE LOCATION MAP**
- 2 SITE PLAN**
- 3 TOPOGRAPHIC MAP**



KEY:
Subject Property 

FIGURE 1: SITE LOCATION MAP
Project No. 20-303520.2

PARTNER



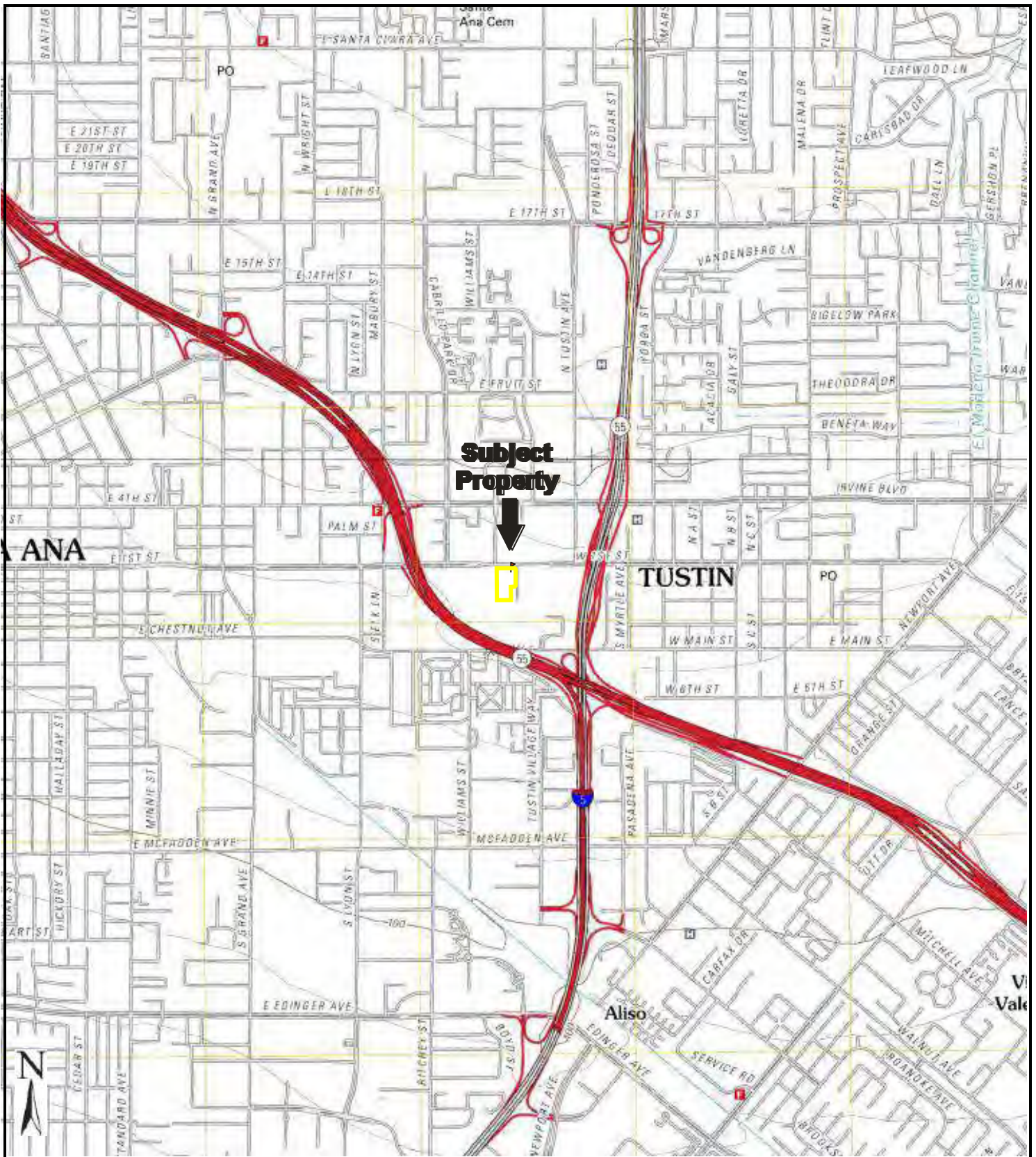
**GROUNDWATER
FLOW**



Topographic Map
Interpretation

KEY:
Subject Property 

FIGURE 2: SITE PLAN
Project No. 20-303520.2



USGS 7.5 Minute *Tustin* California Quadrangle
Created: 2012

KEY:
Subject Property 

FIGURE 3: TOPOGRAPHIC MAP
Project No. 20-303520.2



APPENDIX A: SITE PHOTOGRAPHS



1. North facade



2. West and south facades



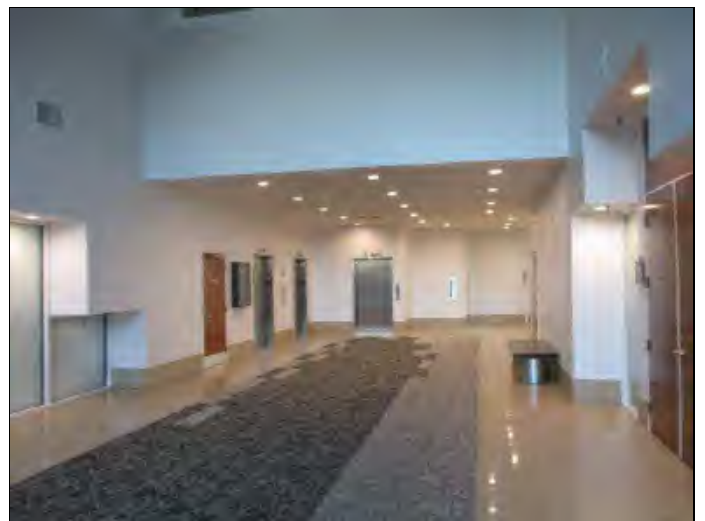
3. East entrance



4. West facade



5. South facade



6. Lobby



7. Fire alarm control panel



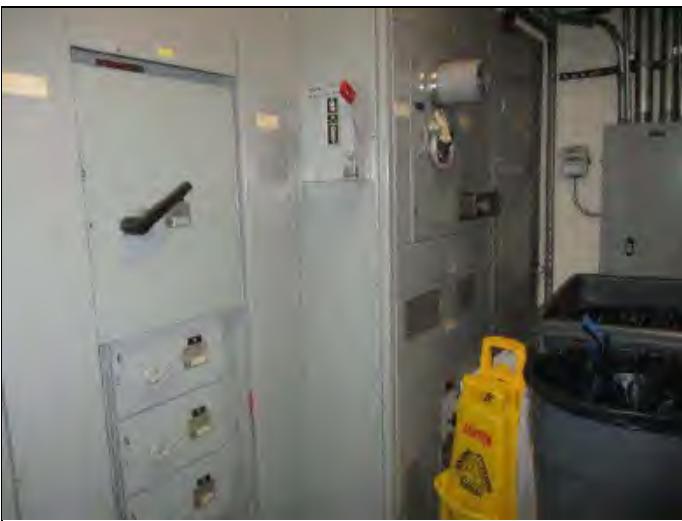
8. Typical transformer



9. Typical elevator equipment



10. Typical elevator equipment



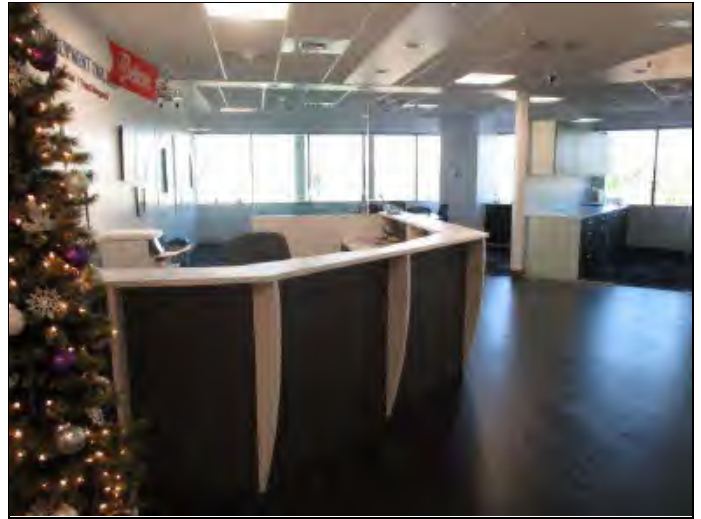
11. Electrical panel and switch gear



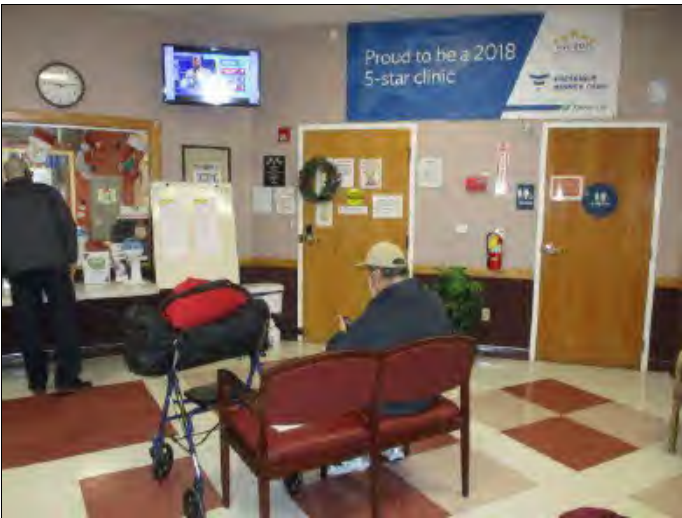
12. Typical gas-fired water heater



13. Dumpsters



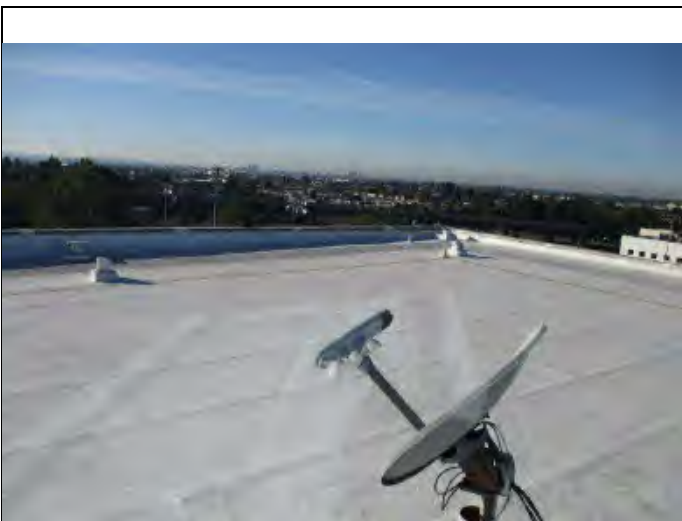
14. Suite 525



15. Suite 110



16. Typical vacant floor (5th floor)



17. BUR field



18. Typical "box car" HVAC unit



19. Typical roof drain



20. Electrical transformer



21. Adjacent property - east



22. Adjacent property - west

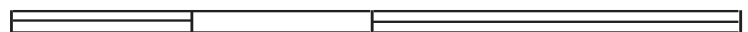


23. Adjacent property - north



24. Adjacent property - south

APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION



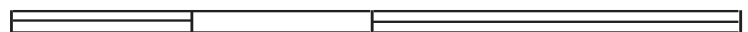
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Key: Subject Property 



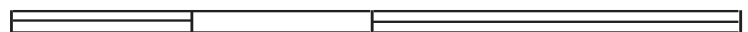
500

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2000



Key: Subject Property 



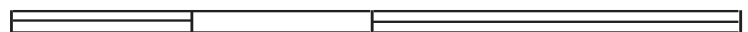
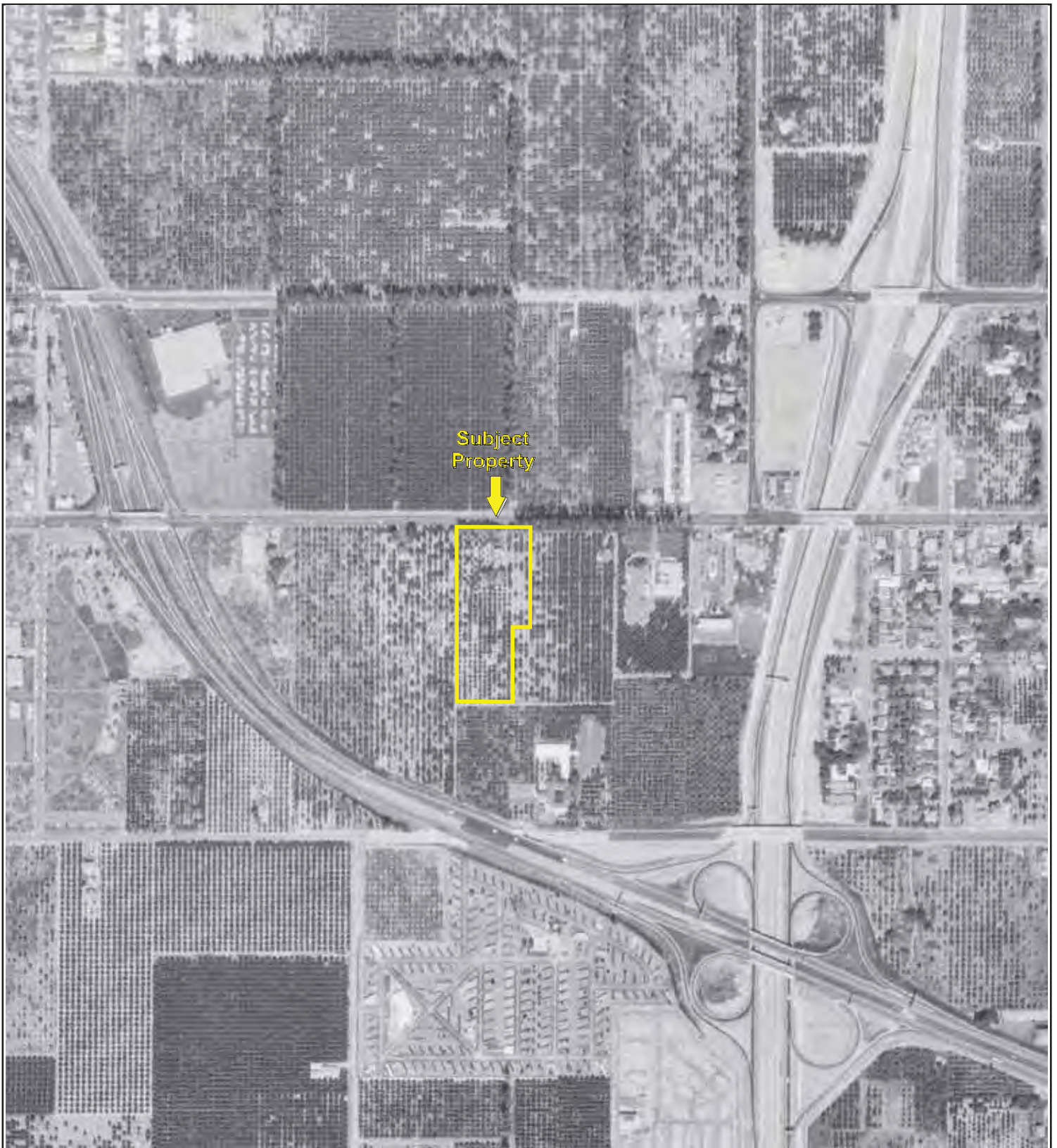
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1000

2000



Key: Subject Property 



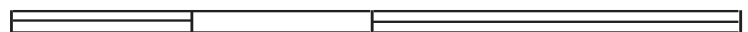
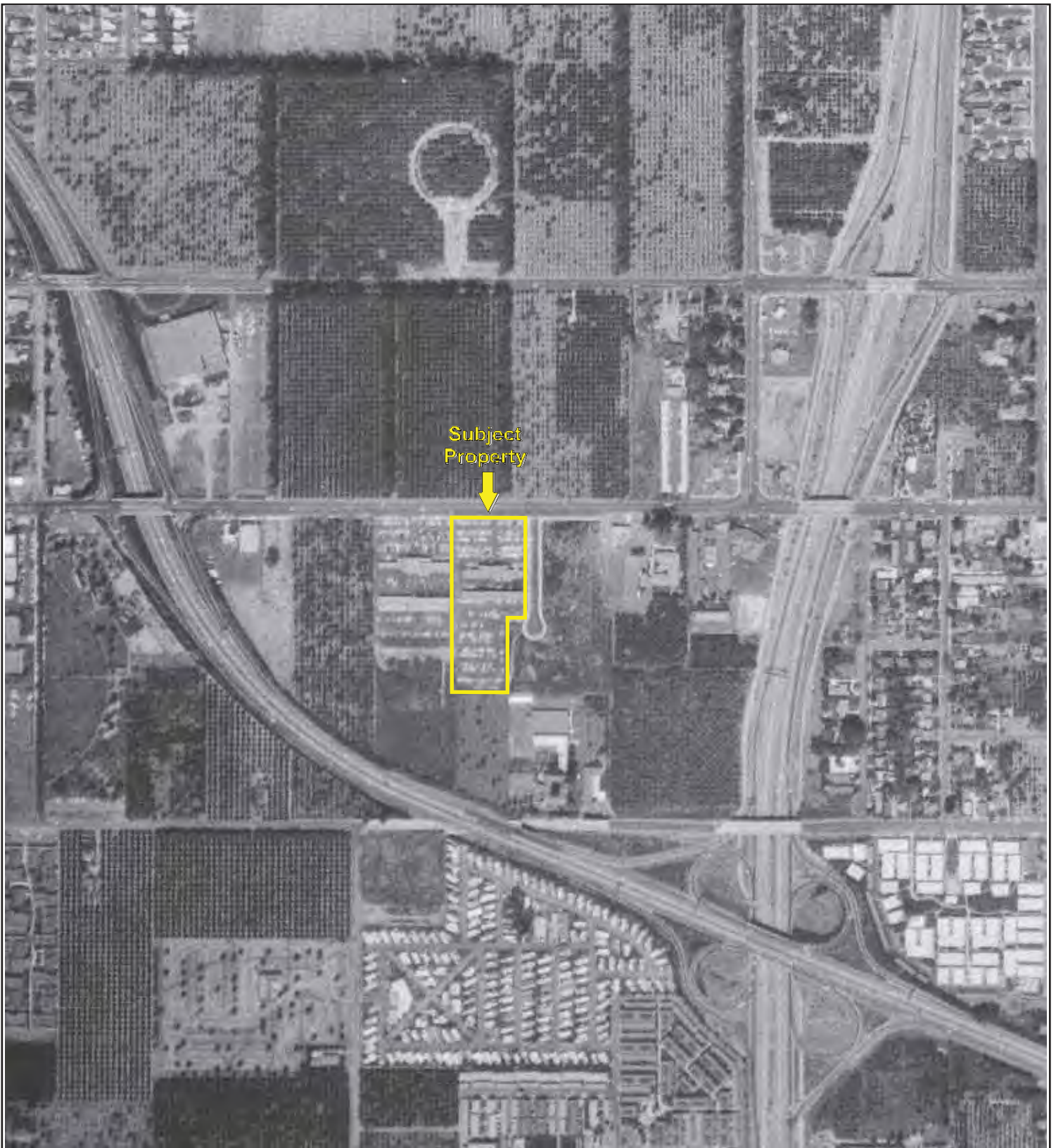
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1000

2000



Key: Subject Property 

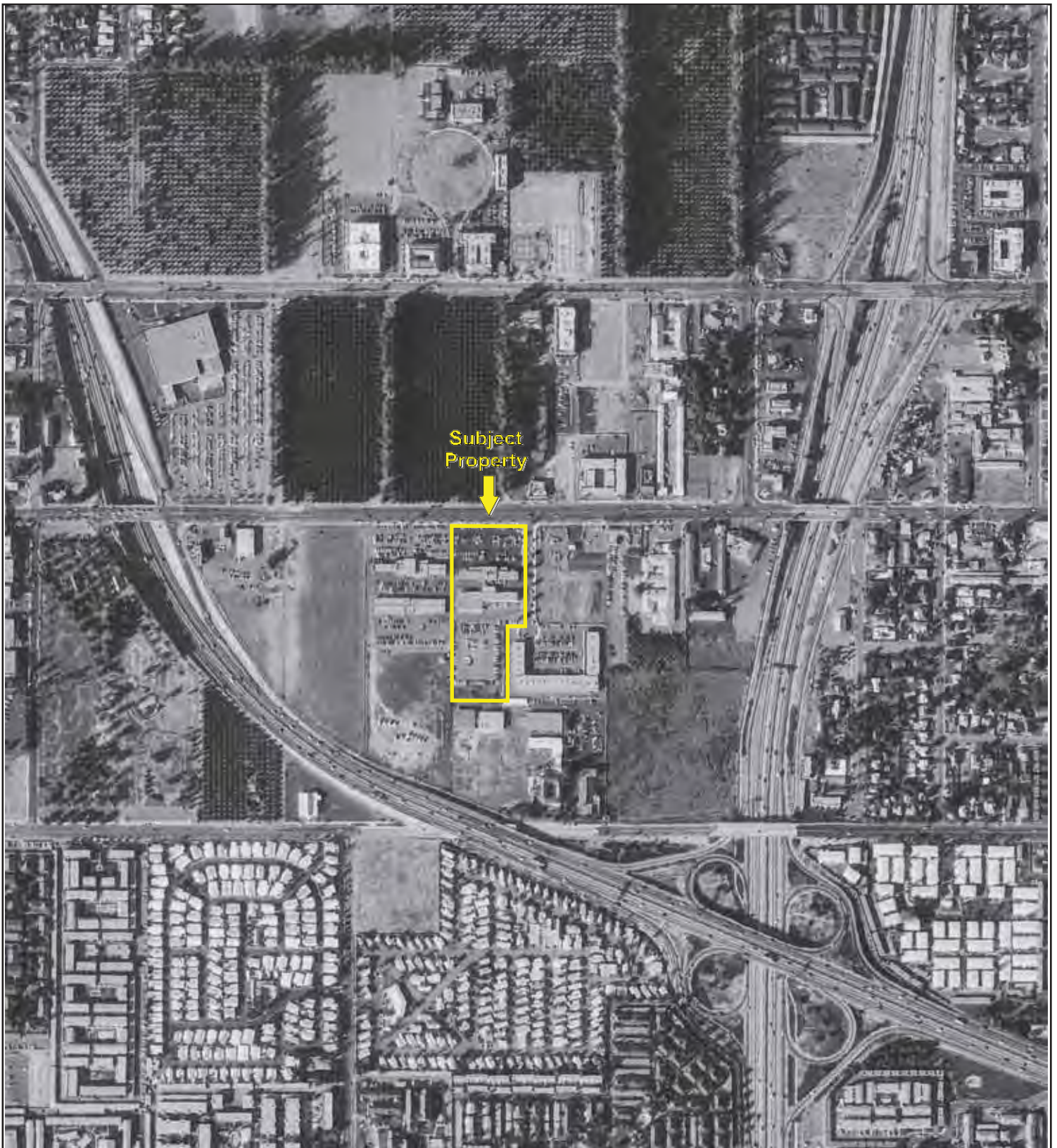


500

1000

2000

Key: Subject Property 



500

1000

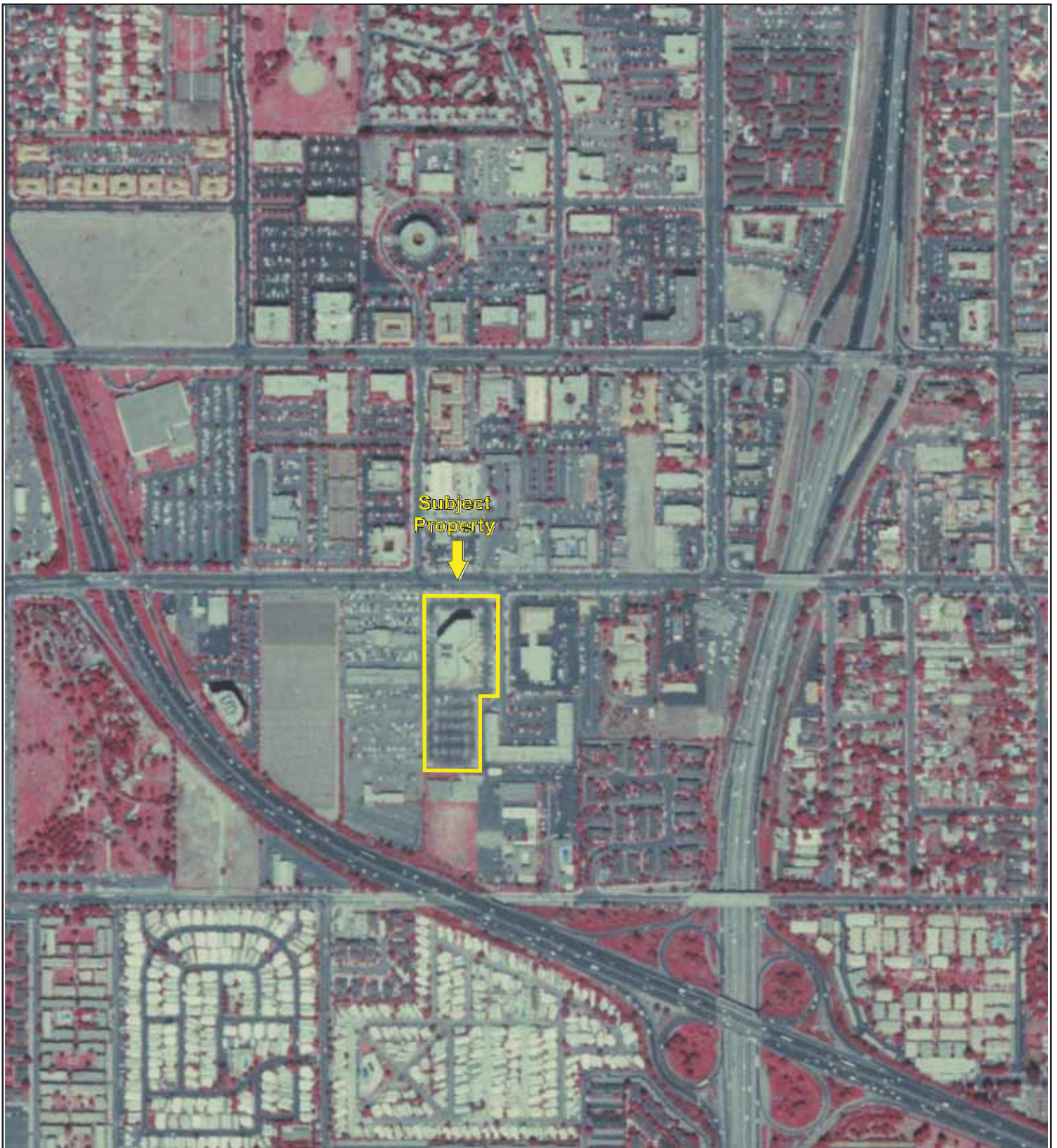
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Key: Subject Property 



500 1000 2000

Key: Subject Property 



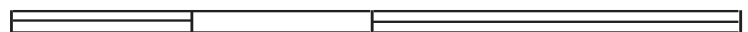
500

1000

2000



Key: Subject Property 



500

1000

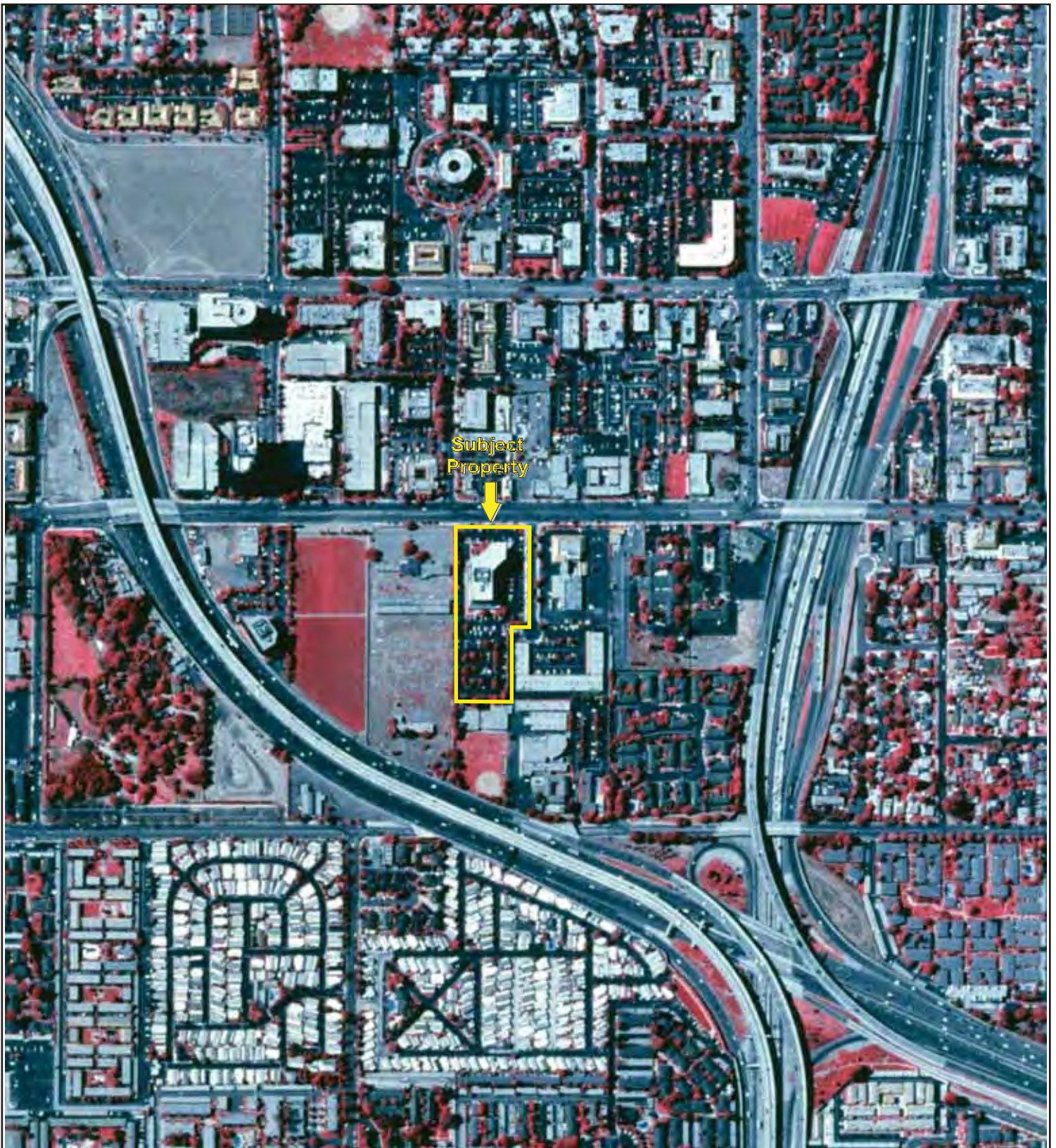
2000



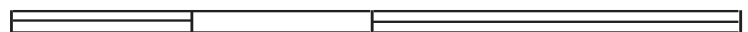
Key: Subject Property 



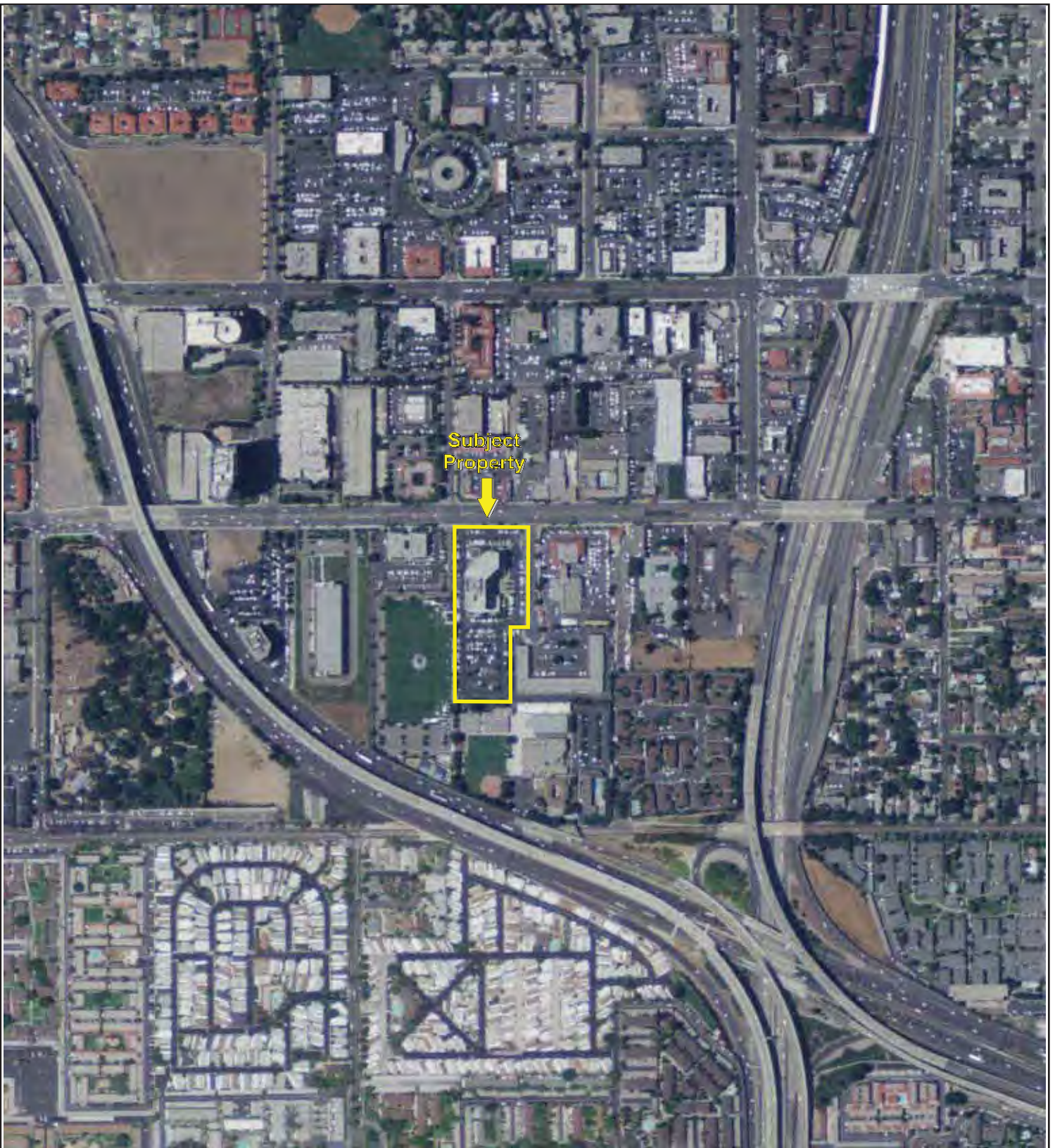
Key: Subject Property 



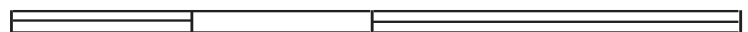
Key: Subject Property 



Key: Subject Property 



Key: Subject Property 



Key: Subject Property 



Key: Subject Property 



2020 E First Avenue
2020 E First Avenue
SANTA ANA, CA 92705

Inquiry Number: 6308387.3

December 21, 2020

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/21/20

Site Name:

2020 E First Avenue
2020 E First Avenue
SANTA ANA, CA 92705
EDR Inquiry # 6308387.3

Client Name:

Partner Engineering and Science, Inc.
2154 Torrance Blvd, Suite 200
Torrance, CA 90501-0000
Contact: Krystal Dimmeler



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Partner Engineering and Science, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 3FAC-4732-B771

PO # 20-303520.2

Project 20-303520.2

UNMAPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 3FAC-4732-B771

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

The Sanborn Library LLC Since 1866™

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2020 E First Avenue

2020 E First Avenue
SANTA ANA, CA 92705

Inquiry Number: 6308387.5
December 21, 2020

The EDR-City Directory Abstract

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Executive Summary

Findings

City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2014	Cole Information Services	X	X	X	-
2009	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2004	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2002	Haines Company	-	X	X	-
	Haines Company	X	X	X	-
2001	Pacific Telephone	-	-	-	-
1999	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
1997	Pacific Telephone	-	-	-	-
1995	Pacific Bell	-	X	X	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1995	Pacific Bell	X	X	X	-
1994	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
1992	Pacific Bell	-	-	-	-
1991	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1986	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1980	Pacific Telephone	-	X	X	-
1975	Luskey Brothers & Co., Inc.	-	X	X	-
	Luskey Brothers & Co., Inc.	X	X	X	-
1971	Luskey Brothers Co., Inc.	-	-	-	-
1970	Ross Publications	-	-	-	-
1966	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1965	Luskey Brothers	-	X	X	-
1961	Luskey Brothers & Co.,	-	-	-	-
1960	Unknown	-	-	-	-
1956	Luskey Brothers & Co., Inc.	-	-	-	-
1955	The Pacific Telephone and Telegraph Co.	-	-	-	-
1952	Luskeys Directory Service Co.	-	-	-	-
1950	West Directory Co.	-	-	-	-
1946	Southern California Telephone Co.	-	-	X	-
	Southern California Telephone Co.	X	-	X	-
1945	McCutcheon & Bragonier	-	-	X	-
	Western Directory Co.	X	-	X	-
1941	Southern California Telephone Co.	-	-	X	-
	Southern California Telephone Co.	X	-	X	-
1936	Western Directory Co.	-	-	-	-
1930	Western Directory Co.	-	-	-	-
1926	Pacific Telephone	-	-	-	-
1925	Western Directory Co.	-	-	-	-
1922	Kaasen Directory Co.	-	-	-	-
1921	Western Directory Co.	-	-	-	-
1920	Santa Ana Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<u>Address</u>	<u>Type</u>	<u>Findings</u>
2010 E. First Avenue	Client Entered	
2029 E. First Avenue	Client Entered	
2114 E. First Avenue	Client Entered	
16791 E. Main Street (Tustin)	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

2020 E First Avenue
SANTA ANA, CA 92705

FINDINGS DETAIL

Target Property research detail.

1ST ST E

2020 1ST ST E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1945	B E Eggleton	Western Directory Co.
	OClayt Scarbrough Serv Sta	Western Directory Co.

E 1ST ST

2020 E 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	CHALLENGE FINANCIAL SERVICES	Cole Information Services
	FMC DIALYSIS SVCS SOU	Cole Information Services
	FMC DIALYSIS SVCS SOUTH ORANGE COUNT	Cole Information Services
	HCBS INC	Cole Information Services
	URS CORPORATION	Cole Information Services
2009	BANK OF AMERICA	Cole Information Services
	F & C SOUTH ORAGE COUNTY	Cole Information Services
	FMC DIALYSIS SERVICES SOUTH ORANGE C	Cole Information Services
	NATIONAL MEDICAL CARE INC	Cole Information Services
	PACIFIC COAST FUNDING	Cole Information Services
	THE LEUKEMIA & LYMPHOMA SOCIETY	Cole Information Services
	URS CORP	Cole Information Services
	URS GRIENER WOODWARD CLYDE	Cole Information Services
2004	FLEET LOCKBOX	Cole Information Services
	FRESENIUS MEDICAL CARE INC	Cole Information Services
	ORION CAPITAL FINANCE	Cole Information Services
	TRANSPACIFIC MANAGEMEMENT SRVC	Cole Information Services
	URS CORP	Cole Information Services
2002	ALAWCORPWALLI	Haines Company

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	ar ENERGYTCHNLGY	Haines Company
	BERGHSTEVENL	Haines Company
	BRUZZOWILLB	Haines Company
	COHND	Haines Company
	CONSULTANTS INC EVANSKARENB	Haines Company
	CRANSTON SYLVIANI	Haines Company
	DAWEMICHAELG	Haines Company
	FMC DIALYSIS SVCS	Haines Company
	FRANKKENNETHB	Haines Company
	GARCIARENEED	Haines Company
	GIBBONSJOSEPH TJR	Haines Company
	HARRELSON PAULAM	Haines Company
	IRIARTECA	Haines Company
	KERSHNAR HARRIS E	Haines Company
	KITAGEORGEI	Haines Company
	KLARICH STEPHEN D	Haines Company
	LAW CORP	Haines Company
	LYNBERG&WATKINSA	Haines Company
	MCUNDEN DANIEL H	Haines Company
	MILLERJ	Haines Company
	NORMANDINBERHGPC SKIBBY BRIAN E	Haines Company
	NORMANDINDAWE	Haines Company
	PACCOASTFUNDING	Haines Company
	PRENOVOST	Haines Company
	PRFSNLCORP a ASLER GREGORYS	Haines Company
	PRFSNLCORP LYNBERG&WATKINS	Haines Company
	r HEALTH CAREA	Haines Company
	SOUTH OR C FAUST DORIS A	Haines Company
	TRAGARZ NANCY R	Haines Company
	URSGRIENEN	Haines Company
	WALLINIKLARICH	Haines Company
	WOODWAR O CLYDE WALLIN PAULJ	Haines Company
1999	A LAW CORPORATION WALLIN & KLARICH	Cole Information Services
	BRUZZO WILL B WALLIN & KLARICH A LAW CORPORATION	Cole Information Services
	COHN DAVID R WALLIN & KLARICH A LAW CORPORATION	Cole Information Services
	EVANS KAREN B WALLIN & KLARICH A LAW CORPORATION	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	FARZAD B ROBERT WALLIN & KLARICH A LAW CORPORATION	Cole Information Services
	FLEET MORTGAGE CORPORATION	Cole Information Services
	FRANK KENNETH B WALLIN & KLARICH A LAW CORPORATION	Cole Information Services
	FRASER JAMES A	Cole Information Services
	GARCIA RENEE D WALLIN & KLARICH A LAW CORPORATION	Cole Information Services
	GIBBONS JOSEPH T JR WALLIN & KLARICH A LAW CORPORATION	Cole Information Services
	HEALTHCARE ASSOCIATION OF SO CALIF	Cole Information Services
	IRIARTE CARLOS N WALLIN & KLARICH A LAW CORPORATION	Cole Information Services
	KELLIS DELI	Cole Information Services
	KERSHNAR HARRIS E WALLIN & KLARICH A LAW CORPORATION	Cole Information Services
	KITA GEORGE I WALLIN & KLARICH A LAW CORPORATION	Cole Information Services
	KLARICH STEPHEN D WALLIN & KLARICH A LAW CORPORATION	Cole Information Services
	KUEMMERLE CHRISTOPHER H J WALLIN & KLARICH A LAW	Cole Information Services
	LYNBERG & WATKINS A PROFESSIONAL CORPORATION	Cole Information Services
	MILLER ROBERT L WALLIN & KLARICH A LAW CORPORATION	Cole Information Services
	MITZNER MARC E WALLIN & KLARICH A LAW CORPORATION	Cole Information Services
	NORMANDIN TOM RODDY PRENOVOST NORMANDIN BERGH & D	Cole Information Services
	OPTION ONE MORTGAGE CORPORATION	Cole Information Services
	PETERS CLIFTON L III WALLIN & KLARICH A LAW CORPORATION	Cole Information Services
	PRENOVOST THOMAS J JR PRENOVOST NORMANDIN BERGH & DAWE A	Cole Information Services
	RAY FREDRICK M WALLIN & KLARICH A LAW CORPORATION	Cole Information Services
	ROSS KEITH S WALLIN & KLARICH A LAW CORPORATION	Cole Information Services
	SKIBBY BRIAN E WALLIN & KLARICH A LAW CORPORATION	Cole Information Services
	SMITH TIMOTHY D WALLIN & KLARICH A LAW CORPORATION	Cole Information Services
	URS GRIENER WOODWARD CLYDE	Cole Information Services
	WALLIN & KLARICH A LAW CORPORATION	Cole Information Services
	WOODWARD CLYDE CONSULTANTS	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Bergh Steven L Febozl Pronovost Normandin & Martin Ape	Pacific Bell
	Caley Rebecca A atty Fabozzi Prenovost Normandin & Martin Ape	Pacific Bell
	Kershner Harr ISLAND E Wallin & Klarich A Low Corporation	Pacific Bell
	Woodward Clyde Consultants	Pacific Bell
1994	BART ALEX	Cole Information Services
	BERGH, STEVEN	Cole Information Services
	CALEY, REBECCA	Cole Information Services
	HOSPITAL CNCL SO CA	Cole Information Services
	KELLIS DELI	Cole Information Services
	MET MORTGAGE INC	Cole Information Services
	METMORTGAGE INC	Cole Information Services
	WOODWARD CLYDE CONSULTANTS	Cole Information Services
1991	Bart Alex Mutual Of Omaha Insurance Co	Pacific Bell
	Blaylock Cynthia W atty Fabozzi Prenovost Normandin & Martin Apc	Pacific Bell
	DOVE ESCROW CO	Pacific Bell
	Fabozzi Dennis F atty	Pacific Bell
	FABOZZI PRENOVOST NORMANDIN & MARTIN APC	Pacific Bell
	First Var Financial	Pacific Bell
	Goe Robert P Fabozzi Prenovost Normandin & Martin Apc	Pacific Bell
	Greg Smith & Partners	Pacific Bell
	Kahane Tammy L Fabozzi Prenovost Normandin & Martin Apc	Pacific Bell
	Kellis Deli	Pacific Bell
	Lawson & Smith Attorneys At Law	Pacific Bell
	Lawson William A III atty	Pacific Bell
	Lynberg & Watkins A Professional Corp	Pacific Bell
	Magnum Chaim Wallin & Klarich A Law Corporation	Pacific Bell
	Martin John D Fabozzi Prenovost Normandin & Martin Apc	Pacific Bell
	Mutual Of Omaha Insurance Co	Pacific Bell
	Normandin Tom Roddy Fabozzi Prenovost Normandin & Martin Apc	Pacific Bell
	Peters Clifton L Iii Wallin & Klarich A Law Corporation	Pacific Bell
	Prenovost Thomas J Jr atty	Pacific Bell
	Saur John K atty	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Smith James J atty	Pacific Bell
	SWYTAK STEPHEN C atty	Pacific Bell
	Thierbach Marlene L Fabozzi Prenovost Normandin & Martin Apc	Pacific Bell
	United Benefit Life Ins Co Santa Ana	Pacific Bell
	United Of Omaha Santa Ana	Pacific Bell
	Visual Dynamics	Pacific Bell
1986	Mc Mahon Development	Pacific Bell
	Mc Mahon Development Inc	Pacific Bell
	Mc Mahon Partnership AIA	Pacific Bell
1975	HAAN O R INC autos	Luskey Brothers & Co., Inc.
	Hahn O R Inc autos	Luskey Brothers & Co., Inc.
1966	HAAN O R INC autos	Pacific Telephone
	Hahn O R Inc autos	Pacific Telephone
	HONDAS AUTO LEASING	Pacific Telephone
1946	Eggleton B r	Southern California Telephone Co.
1941	Eggleton B r	Southern California Telephone Co.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

E 1ATELAFLV ANTI

2100 E 1ATELAFLV ANTI

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Southern California Credit Card Systems	Pacific Bell

E 1ST SANTA ANA

2001 E 1ST SANTA ANA

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	B S I Consultants Inc	Pacific Bell

E 1ST ST

2000 E 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	X 0 XX	Haines Company
1994	SOUTHRN CA PUB AUTO	Cole Information Services
	SO CALIF PUBLIC AUTO AUCTION	Cole Information Services
1986	S AN TA AN A CHRYS LE R PLYMOUTH	Pacific Bell
	Freeway Auto Body	Pacific Bell
	Santa Ana Mazda New Car Get Ready	Pacific Bell
1975	Bill Barry Recreational Vehicle Div Of Bill Barry Pontiac	Luskey Brothers & Co., Inc.
	BILL BARRY PONTIAC	Luskey Brothers & Co., Inc.
	Barry Bill Pontiac	Luskey Brothers & Co., Inc.
1966	Bill Barry Pontiac	Pacific Telephone
	BARRY BILL PONTIAC	Pacific Telephone

2001 E 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	CORAZON	Cole Information Services
	JONAS INSURANCE AGENCY	Cole Information Services
	SA PLAZA LLC	Cole Information Services
	R G & D DESIGN GROUP INC	Cole Information Services
	PACIFIC MARKETING LLC	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	OC HEALTH MANAGEMENT INC	Cole Information Services
2009	BUREAU VERITAS INC	Cole Information Services
	R G & D DESIGN GROUP INC	Cole Information Services
	JONAS INSURANCE SERVICES	Cole Information Services
	PACIFIC MARKETING	Cole Information Services
	RICHARD FISHER ASSOCIATES	Cole Information Services
2004	REED & MORGAN	Cole Information Services
	RAY & RIERA VOCATIONAL CNSLNG	Cole Information Services
	BERRYMAN & HENIGAR	Cole Information Services
	NEW BEGGININGS MORTGAGE INC	Cole Information Services
	JONAS INSURANCE SERVICES	Cole Information Services
	RICHARD FISHER ASSOCS	Cole Information Services
	PACIFIC MARKETING MANUFACTURER	Cole Information Services
2002	U 89 POINT LLC	Haines Company
	VOCATIONALRESULTS	Haines Company
	ASSOCIATES	Haines Company
	SV RICHARDFISCHER	Haines Company
	VOCATIONAL CNSLG	Haines Company
	RAYSRIERA	Haines Company
	MORTGAGE PACIFIC MARKETING	Haines Company
	AGENCY NEWBEGINNINGS	Haines Company
	JONAS INSURANCE	Haines Company
	EAREEDCOMPANY	Haines Company
	EAREEDCOMPANY	Haines Company
	BEa RYMAN&HENIGAR	Haines Company
	BUILDING	Haines Company
1999	EA REED COMPANY	Cole Information Services
	NEW BEGINNINGS MORTGAGE	Cole Information Services
	RAY & RIERA VOCATIONAL COUNSELING SERVICES	Cole Information Services
	PACIFIC MARKETING	Cole Information Services
	JONAS INSURANCE AGENCY	Cole Information Services
	BERRYMAN & HENIGAR	Cole Information Services
	B S I CONSULTANTS INCORPORATED	Cole Information Services
	RICHARD FISCHER ASSOCIATES	Cole Information Services
1995	B S I Consultants Inc	Pacific Bell
1994	B S I CNSLTS INC	Cole Information Services
1991	B S I Consultants Inc	Pacific Bell
1986	Jesser his Brokers	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	American Marketing Co	Pacific Bell
	Brookwood National Corp	Pacific Bell
	Comoglio & Haynes CPA	Pacific Bell
	Concor Financial Services Inc	Pacific Bell
	Hawkins Advertising Agency	Pacific Bell
	Knotos Craig	Pacific Bell
	Mc Keen Roy	Pacific Bell
	Me William Richard P CPA	Pacific Bell
	R N G Mortgage Service	Pacific Bell
	Silvrstein Steven A atty	Pacific Bell
1980	Hawkins Advertising Agency	Pacific Telephone
	Corporate Headquarters	Pacific Telephone
	Administrative Offices	Pacific Telephone
	From @Los Angeles@ Telephones Call	Pacific Telephone
	Financial Services	Pacific Telephone
	Investment Division	Pacific Telephone
	Real Estate School	Pacific Telephone
	Investment Division	Pacific Telephone

2010 E 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	UNIQUE CARE ENDODONTICS INC	Cole Information Services
	WOODS RICHARD I MD	Cole Information Services
	PACIFIC ORTHOPAEDIC SPECIALISTS MEDI	Cole Information Services
	DAVIS WILLIAM F MD	Cole Information Services
	CLARK EDWIN M MD	Cole Information Services
	RETINA ASSOCIATES OF ORANGE COUNTY	Cole Information Services
	MICHAEL JAZAYERI MD	Cole Information Services
	SHAFEE REZA MD	Cole Information Services
	1ST STREET MEDICAL PLAZA PHARMACY	Cole Information Services
	LEUPOLD ARTHUR MD	Cole Information Services
	LEAN JOHN S MD FRCS	Cole Information Services
	MCGUIRE DESMOND E MD	Cole Information Services
	GREENZANG CHUNKY PEREYRA MAMFT	Cole Information Services
	ELITE PAIN MANAGEMENT	Cole Information Services
	EIFRIG CHARLES MD	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SALEH BITA DDS	Cole Information Services
	BARBA DENTAL CORP	Cole Information Services
	SCHREIBER ANDREW O MD	Cole Information Services
	MORGAN NIAL R MD	Cole Information Services
	GREENZANG TED MD	Cole Information Services
2009	GREENZANG & GREENZANG MDS	Cole Information Services
	WILLIAM F DAVIS MD	Cole Information Services
	CLARK EDWIN M MD	Cole Information Services
	MICHAEL JAZAYERI MD	Cole Information Services
	LEUPOLD ARTHUR MD	Cole Information Services
	PACIFIC ORTHOPEDIC SPECIALISTS	Cole Information Services
	UNIQUE CARE ENDODONTICS INC	Cole Information Services
	SALEH BITA DDS	Cole Information Services
	PRIMO SKIN CLINIC	Cole Information Services
	SCHREIBER ANDREW O MD	Cole Information Services
	MORGAN NIAL R MD	Cole Information Services
	GREENZANG TED MD	Cole Information Services
	WOODS RICHARD I MD	Cole Information Services

2029 E 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ALL AROUND THE CLOCK	Cole Information Services
	JOHNNYS BURGERS 4	Cole Information Services
2009	JOHNNYS BURGERS 4	Cole Information Services
2002	CARLSJR	Haines Company
	RESTAURANT	Haines Company
1999	CARLS JR RESTAURANTS	Cole Information Services
1994	CARLS JR RESTAURANT	Cole Information Services

2031 E 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	KYUNG LEE	Cole Information Services
	OSCARS DELI & GRILL NO 2	Cole Information Services
	TK FASHION	Cole Information Services
	NIKIS INDIAN FOOD	Cole Information Services
	24 HOUR COWAN HEIGHTS	Cole Information Services
	BREAKTIME FOOD STORES	Cole Information Services
	THE FLAME BROILER	Cole Information Services
	LA TORTA LOCA NO 1	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	NEW CLEANERS	Cole Information Services
	SUSHI ICHI	Cole Information Services
	ELITE KITCHENS & FLOORS	Cole Information Services
2009	NIKIS TANDOORI EXPRESS	Cole Information Services
	KYUNG LEE	Cole Information Services
	NEW CLEANERS	Cole Information Services
	NIKIS INDIAN FOOD	Cole Information Services
	CREATIVE IMAGING	Cole Information Services
	BREAKTIME FOOD STORES	Cole Information Services
	LUCKY PANDS 2	Cole Information Services
	COCINA X PRESS	Cole Information Services
	BREAK TIME	Cole Information Services
	THE FLAME BROILER	Cole Information Services
	NEW SUSHI MAKI	Cole Information Services
	OSCARS DELI & GRILL	Cole Information Services
	PHILLY XPRESS	Cole Information Services
	MAKI SUSHI	Cole Information Services
2004	ANA BLIMPIE-SANTA	Cole Information Services
	PANDA LUCKY	Cole Information Services
	MYE ELLIOTT S HAIR DESIGN	Cole Information Services
	PHILLY XPRESS	Cole Information Services
	NEW YORK DELI	Cole Information Services
	MYES HAIR DESIGNS	Cole Information Services
2002	STORES KINKOS	Haines Company
	BREAKTIMEFOOD	Haines Company
	BOOMISTERIYAK	Haines Company
	BUMPIE SANTA AN	Haines Company
	PHILLYXPRESS	Haines Company
	NIKIS INDIAN FOOD	Haines Company
	PRODUCTION&TRAINI	Haines Company
	NGCT LUCKYPANDA	Haines Company
1999	KYUNG LEE	Cole Information Services
	MAKI SUSHI	Cole Information Services
	NIKIS TANDOORI EXPRESS	Cole Information Services
	LUCKY PANDA	Cole Information Services
	YOSHINOYA BEEF BOWL RESTAURANT	Cole Information Services
	KINKOS COPIES	Cole Information Services
	BLIMPIE SANTA ANA	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	SNOWWHITE CLEANERS	Cole Information Services
	BREAKTIME FOOD STORES	Cole Information Services
	GO N WIN	Cole Information Services
1994	MAGIC FLAME	Cole Information Services
	YOSHINOYA BEEF BOWL RESTAURANT	Cole Information Services
	KINKOS COPIES	Cole Information Services
	NIKIS TANDOORI EXPRESS	Cole Information Services
	SNOWWHITE CLEANERS	Cole Information Services
	CASA MAYA	Cole Information Services
	BLIMPIE SUBS & SALADS	Cole Information Services
1991	Stick It IGraphics	Pacific Bell
	Snowwhite Cleaners	Pacific Bell
	Fro M Irome Telephones Call	Pacific Bell
	Quick Signs	Pacific Bell
	Nikis Tandoori Express	Pacific Bell
	Kokos Foto	Pacific Bell
	Fashion Hair & Nails	Pacific Bell
	Casa Maya	Pacific Bell
1986	S AN TA AN A MAZDA	Pacific Bell

2101 E 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	THIRD STREET CLINIC	Cole Information Services
	RECOVERY SOLUTIONS OF SANTA ANA	Cole Information Services
2009	RECOVERY SOLUTIONS OF SANTA ANA	Cole Information Services
2004	ING HWANG	Cole Information Services
2002	EMILIAS FINE FOO	Haines Company
	HWANGIng	Haines Company
1999	EMILIAS FINE FOOD	Cole Information Services
1994	EMILIAS FINE FOOD	Cole Information Services
1991	EMILIAS FINE FOOD	Pacific Bell

2105 E 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	ACAPULCO TRAVEL & TOURS	Cole Information Services

FINDINGS

2110 E 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SOUTH COAST SYSTEMS	Cole Information Services
	ALL ELECTRICAL CONTRACTORS	Cole Information Services
	ROUND TABLE REMARKETING DRS	Cole Information Services
	WORD OF LIFE ORANGE COUNTY	Cole Information Services
	DSG ASSOCIATES	Cole Information Services
	IGLESIA BAUTISTA NUEVA JERUSALEM	Cole Information Services
2009	DSG ASSOCIATES INC	Cole Information Services
	UNIVERSAL SCHOOL CORP	Cole Information Services
	NIPA INC	Cole Information Services
	IGLESIA BAUTISTA NUEVA JERUSALEM	Cole Information Services
	MI CASITA MORTGAGE	Cole Information Services
	ALL ELECTRICAL CONTRACTORS	Cole Information Services
2004	SOUTH COAST SYSTEMS INC	Cole Information Services
	NATIONWIDE AUTO CARRIER	Cole Information Services
	DSG ASSOCS INC	Cole Information Services
	MORTGAGE TRAINERS	Cole Information Services
	RF WASK INSURANCE SERVICES	Cole Information Services
	UNITED TRANSPORTATION UNION	Cole Information Services
2002	HAYASHI & ASSOCS	Cole Information Services
	BURKEP 9 RINo SCORP	Haines Company
	CASTATEMO	Haines Company
	DSG ASSOCIATES	Haines Company
	EFFICIENTAIR	Haines Company
	NATIONWDEAUTO	Haines Company
	EXCHANGE OMNITEC	Haines Company
	SOUTH COAST	Haines Company
	SYSTEMS UNITDTRNSPRTNUN	Haines Company
	UNIVRSL SCHOOL CORPORATION	Haines Company
1999	EDA RODRIGUEZ	Cole Information Services
	LENDERS TECHNOLOGY	Cole Information Services
	UNITED TRANSPORTATION UN 871180 GEN COMMITTEE AT & SF RLWY	Cole Information Services
	SOUTH COAST SYSTEMS	Cole Information Services
	DSG ASSOCIATES	Cole Information Services
	PATTI MARTIN	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	WASK F R INSURANCE SERVICES	Cole Information Services
	KUCERA DON	Cole Information Services
	CALIFORNIA STATE MORTGAGE	Cole Information Services
	DIAZ SA	Cole Information Services
	BURKE P R INDUSTRIAL CORPORATION	Cole Information Services
	SALAS PROPERTY INVESTMENT	Cole Information Services
	EFFICIENT AIR	Cole Information Services
	JM MORTGAGE	Cole Information Services
1995	DSG Associates	Pacific Bell
1994	AMERILAND REALTY	Cole Information Services
	SOUTH COAST ENGINEERING GROUP	Cole Information Services
	AZAD WHOLESALE AUTO DEALER	Cole Information Services
	AZAD WHSL AUTO DLR	Cole Information Services
	VIVA AUTO WHOLESALE	Cole Information Services
	FINANCIERA CALATINA	Cole Information Services
	MAIN PLACE CHRISTIAN FLLWSHP	Cole Information Services
	ALCOHOLISM NTL CNCL	Cole Information Services
	ASIAN ALCOHOL & DRUG ABUSE SVC	Cole Information Services
	HARBISON WALKER REFRACTORIES	Cole Information Services
	EL MUNDO LATINO	Cole Information Services
1991	Christian Roommate Connection	Pacific Bell
	DSG Associates	Pacific Bell
	Devar Inc	Pacific Bell
	National Council On Alcoholism Orange County	Pacific Bell
	RichIn Data Systems	Pacific Bell
	South Coast Systems	Pacific Bell
	United Cambodian Community	Pacific Bell
	AT & SF Railway Coastlines	Pacific Bell
	Viva Auto Wholesale	Pacific Bell
1986	ALCOHOLIS M N ATION AL COUN CIL ON	Pacific Bell
	BRUHNKE & S ILVE R IN C	Pacific Bell
	Central Administration Office	Pacific Bell
	Main Office	Pacific Bell
	Christian Service Agency	Pacific Bell
	Immigration Dept	Pacific Bell
	Immigration & Resettlement Agency	Pacific Bell
	Casa Santa Maria Inc	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Goldenwest XRay Laboratory	Pacific Bell
	Henson Robt K Western Attorney Service	Pacific Bell
	Kirtley Jack	Pacific Bell
	Mc Caughey & Smith	Pacific Bell
	Nova Systems	Pacific Bell
	Orange County Assn For Mental Health	Pacific Bell
	South Coast Systems	Pacific Bell
1980	Employee Assistance Network	Pacific Telephone
	Mental Health Association	Pacific Telephone
	Nat l Electrical Contractors Assn Orange County Chapter	Pacific Telephone
	Orange County Assn For Mental Health	Pacific Telephone
	Orange County Assn For Retarded Citizens	Pacific Telephone
	Regional Services	Pacific Telephone
	School Ten Inc	Pacific Telephone
	Solar Generation The	Pacific Telephone
	Committee AT & S F Railway Coastlines	Pacific Telephone
1975	CRIS	Luskey Brothers & Co., Inc.
	Community Referral Information Service	Luskey Brothers & Co., Inc.
	Department Of Mental Health	Luskey Brothers & Co., Inc.
	Jobs Daughters	Luskey Brothers & Co., Inc.
	Mental Health Association	Luskey Brothers & Co., Inc.
	Sales	Luskey Brothers & Co., Inc.
	Service	Luskey Brothers & Co., Inc.
	Orange County Assn For Mental Health	Luskey Brothers & Co., Inc.
	ORANGE COUNTY ASSN FOR RETARDED CITIZENS Administrative Ofc Work Training Centers	Luskey Brothers & Co., Inc.
	ORANGE COUNTY CHAPTER NATL ELECTRICAL CONTRACTORS ASSN	Luskey Brothers & Co., Inc.
	East Central	Luskey Brothers & Co., Inc.
	Pyle R L Co	Luskey Brothers & Co., Inc.
	Robertson Donald W rl est	Luskey Brothers & Co., Inc.
	Robertson Real Estate Co	Luskey Brothers & Co., Inc.
	Tri County Contractors Inc	Luskey Brothers & Co., Inc.

2111 E 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	CLIR ENTERPRISE INC	Cole Information Services
	SUNLAND MOTEL	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	SEAWARD GUARANTEED INDEMNITY	Cole Information Services
2002	SUNLANDMOTEL	Haines Company
	WESTOM 4chard W	Haines Company
	ZAMANHodayun	Haines Company
1999	SUNLAND MOTEL	Cole Information Services
1994	SUNLAND MOTEL	Cole Information Services
1991	Sunland Motel	Pacific Bell
1986	S UN LAN D MOTE L	Pacific Bell
	Felion Guy J	Pacific Bell
1975	SMC MOTOR INNS INC	Luskey Brothers & Co., Inc.
	SANDMAN MOTEL	Luskey Brothers & Co., Inc.

2114 E 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	PUBLIC MOTORS	Cole Information Services
2009	PUBLIC MOTORS	Cole Information Services
	ETEZADI PROPERTIES LLC	Cole Information Services
	AMERICAN PRO CORP	Cole Information Services
	AUTOMOBILE SALES	Cole Information Services
2004	ANA SANTA	Cole Information Services
	AMERICA PROCORP	Cole Information Services
2002	AUCTION US CAR NATION	Haines Company
	SANTAANA PUBLIC	Haines Company
	AUCTION SANTA ANA K 6 A	Haines Company
	COUNTYPUBLIC	Haines Company
1994	JACKSON YACHT SALES	Cole Information Services
	HONDA	Cole Information Services
1991	SANTA ANA HOSPITAL MEDICAL CENTER	Pacific Bell
	Santa Ana Honda	Pacific Bell
1986	S AN TA AN A LE AS IN G	Pacific Bell
	Santa Ana Honda	Pacific Bell
	HON DA S AN TA AN A	Pacific Bell
1980	Commonwealth Motors Ltd	Pacific Telephone
1975	Commonwealth Motors Ltd	Luskey Brothers & Co., Inc.

2121 E 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	XXXX	Haines Company

FINDINGS

2131 E 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	NAT FLOOR KITCHEN BATH APPLIANCE	Cole Information Services
	NATS FLOORING & DESIGN	Cole Information Services
2004	V TWIN CITY	Cole Information Services
	ANAHEIM CABINETS	Cole Information Services
	WEST COAST WHEELS	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
2002	ROBINSON Gordon	Haines Company
1999	HARLEY DAVIDSON OF SANTA ANA ORANGE COUNTY HARLEY DAVIDSON	Cole Information Services
	SANTA ANA HARLEY DAVIDSON ORNG CNTY HARLEY DAVIDS	Cole Information Services
	ORANGE COUNTY HARLEY DAVIDSON	Cole Information Services
1994	HARLEY DAVIDSON INC	Cole Information Services
1991	Harley Davidson Of Santa Ana Orange County Harley Davidson	Pacific Bell
	Santa Ana Harley Davidson Orange County Harley Davidson	Pacific Bell
	Orange County Head Start Inc	Pacific Bell
	ORANGE COUNTY HARLEY DAVIDSON	Pacific Bell
1986	HARLE Y DAVIDS ON OF S AN TA AN A	Pacific Bell
1975	HARLEY DAVIDSON MOTORS SANTA ANA	Luskey Brothers & Co., Inc.

2151 E 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	GUEST INN	Cole Information Services
	ROBIN RUSSELL	Cole Information Services
2004	CAROLINE LOPEZ	Cole Information Services
	CARLOS SAAVEDRA	Cole Information Services
	GUEST HOUSE INN & SUITES	Cole Information Services
	QUEST INN	Cole Information Services
2002	SMITH Ralph	Haines Company
	GUESTHOUSE	Haines Company
1999	TUSTIN SUITES	Cole Information Services
1994	TUSTIN SUITES	Cole Information Services
1991	Tustin Suites	Pacific Bell
1986	Santa AnaTustin	Pacific Bell
1980	Williams John R	Pacific Telephone
	Williams John P	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	Johnson S G	Luskey Brothers & Co., Inc.
	Brown Del	Luskey Brothers & Co., Inc.
	Santa Ana	Luskey Brothers & Co., Inc.
	Holbert Ron	Luskey Brothers & Co., Inc.
	Del Brown Enterprises	Luskey Brothers & Co., Inc.

2201 E 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	AVILAS EL RANCHITO MEXICAN FOOD CAT	Cole Information Services
	EL RANCHITO MEXICAN RESTAURANTSCATE	Cole Information Services
2009	AVILA ENTERPRISES INC EL RANCHITO	Cole Information Services
	AVILAS EL RANCHITO	Cole Information Services
2004	AVILAS EL RANCHITO	Cole Information Services
2002	AVILAVictor	Haines Company
	AVILASELRANCHITO	Haines Company
	ELRANCHITO MEXICAN	Haines Company
	REST CTRNG	Haines Company
	1ST E 92700 CON T	Haines Company
1999	AVILAS EL RANCHITO MEXICAN FOOD CATERING	Cole Information Services
	EL RANCHITO MEXICAN RESTAURANTS CATERING	Cole Information Services
1994	EL RANCHITO MEXICAN RESTAURANT	Cole Information Services
1980	CAS A VAIJARTA	Pacific Telephone
1975	LA VILLA TAXCO	Luskey Brothers & Co., Inc.
	TAXCO VILLA LA La Villa Taxco	Luskey Brothers & Co., Inc.
	VILLA TAXCO LA La Villa Taxco	Luskey Brothers & Co., Inc.

2202 E 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	EXECUTIVE CAR LEASING COMPANY	Cole Information Services
	HARGER HALDEMAN LEASING	Cole Information Services
2009	EXECUTIVE CAR LEASING	Cole Information Services
2004	EXEC CAR LEASING CO	Cole Information Services
	SOUTH WEST LEASING	Cole Information Services
1999	HARGER HALDEMAN LEASING	Cole Information Services
	SOUTH WEST LEASING	Cole Information Services
	SOUTHWEST LEASING	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1999	EXECUTIVE CAR LEASING COMPANY	Cole Information Services
1995	SOUTH WEST LEASING	Pacific Bell
1994	HARGER HALDEMAN LEASING	Cole Information Services
	EXECUTIVE CAR LEASING	Cole Information Services
1986	E XE CUTIVE CAR LE AS IN G	Pacific Bell
	Santa Ana	Pacific Bell
1980	Executive Rent A Car	Pacific Telephone
1975	Newco	Luskey Brothers & Co., Inc.
	EXECUTIVE CAR LEASING COMPANY	Luskey Brothers & Co., Inc.
1966	VIP CAR LEASING CORP	Pacific Telephone
	EXECUTIVE CAR LEASING CO	Pacific Telephone

2211 E 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Wishing Well Motel	Pacific Telephone
1975	Wishing Well Motel	Luskey Brothers & Co., Inc.
	Valdez Aniseto	Luskey Brothers & Co., Inc.
	Jeffries Brian G	Luskey Brothers & Co., Inc.
	Clymore S K	Luskey Brothers & Co., Inc.
	Konopatzki Jean	Luskey Brothers & Co., Inc.
1966	Wishing Well Realty	Pacific Telephone
	WISHING WELL MOTEL	Pacific Telephone
	INN KEEPERS INFORMATION COLLECTION CENTER INC	Pacific Telephone

E 21ST ST

2000 E 21ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1965	Barry B Pontiac	Luskey Brothers

2211 E 21ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1965	Wishing Well Motel	Luskey Brothers

2222 E 21ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1965	Blue Bird Motel	Luskey Brothers

FINDINGS

GOLDEN CIRCLE DR

203 GOLDEN CIRCLE DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	LAW OFCS OF	Haines Company
	SINGPOLICONSTR	Haines Company
	PAC DESIGN GROUP	Haines Company
	PRO LAWCCORP MEGAREALTYCO	Haines Company
	ATTY MARLIN&SULTZMANA	Haines Company
	LOWERYSTEVENJ	Haines Company
	LANBTON KEITH ATFY	Haines Company
	KA 2 ERROBERTC	Haines Company
	HUISU	Haines Company
	HUIS USA Li MITED	Haines Company
	HAGNER O KAZER HALL&FOREMANINC	Haines Company
	QIILETTELANOTON	Haines Company
	FAMILY SOLUTIONS	Haines Company
	BUILDING DURST LEE PLC	Haines Company
	STONE JAMES KENT	Haines Company
1986	Geiser Thomas ny	Pacific Bell

250 GOLDEN CIRCLE DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2002	8 BUILDING DATABASE	Haines Company
	MARKETING GROUP	Haines Company
	INC DIVERSIFIED	Haines Company
	SERVICES INC HERONROBERTEDC	Haines Company
	1ST E	Haines Company
	4TH E	Haines Company
	FINANCIAL 9 ERVICES HAR 80 R	Haines Company
	NURSING	
1980	Dyess Robert W Jr Mac Farlane & Mac Farlane attys	Pacific Telephone

N GOLDEN CIRCLE DR

203 N GOLDEN CIRCLE DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	TRISTAR RISK MANAGEMENT	Cole Information Services
2009	CENTURY PCIFIC TYPHOON FUNDING	Cole Information Services
	TRISTAR RISK MANAGEMENT	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2009	CORPORATE STAFFING SOLUTIONS	Cole Information Services
	FAMILY SOLUTIONS INC	Cole Information Services
2004	LEE DURST	Cole Information Services
	FAMILY SOLUTIONS INC	Cole Information Services
	HALL & FOREMAN INC	Cole Information Services
	MARLIN SLTZMAN A PROF LAW CORP	Cole Information Services
1999	FAMILY SOLUTION	Cole Information Services
	MARLIN & SULTZMAN A PROFESSIONAL LAW CORPORATION	Cole Information Services
	MEGA REALTY COMPANY	Cole Information Services
	DURST LEE PLC	Cole Information Services
	LANGTON KEITH D ATTORNEY	Cole Information Services
	GILLETTE LANGTON HAGNER & KAZER	Cole Information Services
	MOSICH NICHOLAS J ATTORNEY	Cole Information Services
	HRA ARCHITECTURE	Cole Information Services
	HALL & FOREMAN INCORPORATED	Cole Information Services
	HUIS USA LIMITED	Cole Information Services
	ITTM INCORPORATED	Cole Information Services
	PACIFIC DESIGN GROUP	Cole Information Services
	SINGPOLI CONSTRUCTION & DECORATION	Cole Information Services
	HUIS U S A LIMITED	Cole Information Services
1995	Gillette Loof Langton & Hagner attys	Pacific Bell
	Hagner Faye E atty	Pacific Bell
	Huls USA Ltd	Pacific Bell
	Langton Keith D atty	Pacific Bell
	Spheric Audio Laboratories	Pacific Bell
1994	E P GOLDEN CIRCLE	Cole Information Services
	METRO SERVICE CORP	Cole Information Services
1991	Beckington Mark B	Pacific Bell
	Beckington Mark R	Pacific Bell
	Brunner Kathryn L	Pacific Bell
	Chavos Anthony G	Pacific Bell
	Dowdall Terry R atty	Pacific Bell
	Gieser Thomas M atty	Pacific Bell
	Gurwell Karin Easter	Pacific Bell
	Intercoastal Capital Corp	Pacific Bell
	Kalfa Leda L	Pacific Bell
	Karavatos Karen L	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Kessler Robin G atty	Pacific Bell
	Lenders Technology	Pacific Bell
	Lenders Technology Inc	Pacific Bell
	Lester Lnda J atty	Pacific Bell
	Levine Maureen Hatchell	Pacific Bell
	Mahacek Jim P atty	Pacific Bell
	Reagan Blood Theresa	Pacific Bell
	Reagan Blood Theresa	Pacific Bell
	Silbert Beverly B	Pacific Bell
	Swanson C Brent atty	Pacific Bell
	Swanson CL HN	Pacific Bell
	Swanson And Dowdall A Professional Corporation	Pacific Bell
	Swanson E FVPy	Pacific Bell
	Swanson EL	Pacific Bell
	Williamson Jr Robt G	Pacific Bell
	Williamson Robert G Jr	Pacific Bell
	Woodward Clyde Consultants	Pacific Bell
	Woodward Clyde Consultants	Pacific Bell
1986	Casello James H atty	Pacific Bell
	Curtis Chas E atty	Pacific Bell
	Dowdal Terry R atty	Pacific Bell
	Hart Wilson B atty	Pacific Bell
	Lampel Eric P atty	Pacific Bell
	Lester Linda J atty	Pacific Bell
	Mason Robert J atty	Pacific Bell
	Nolan John F atty	Pacific Bell
	Reynolds Richard J atty	Pacific Bell
	Sokol Steven A Of Counsel	Pacific Bell
	Swanson And Casello A Professional Corporation	Pacific Bell

205 N GOLDEN CIRCLE DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	THOMAS TEARS ATTY OFFICE	Cole Information Services

250 N GOLDEN CIRCLE DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	MATERIAL & CONTRACT SERVICES	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	ORANGE COUNTY SOUTHERN BAPTIST ASSN	Cole Information Services
	MANCIA SUSY LAW OFFICES OF	Cole Information Services
	TEARS THOMAS ATTORNEY AT LAW	Cole Information Services
	US TAX ASSISTORS DAVID WIDERMAN	Cole Information Services
	LAW OFFICES OF WINTERBOTHAM PARHAM T	Cole Information Services
	GROSS MARTIN D LAW OFFICE OF	Cole Information Services
	SMITH DOUGLAS SANDERSON ATTY	Cole Information Services
	BLACKMAN LAW FIRM THE	Cole Information Services
	ORANGE COUNTY ASSOCIATES	Cole Information Services
	ARCHITECTRONIX INC	Cole Information Services
2009	GOKOO ROBT J LAW OFFICES	Cole Information Services
	WINTERBOTHAM PARHAM TEEPLE	Cole Information Services
	CONOR KINNEY	Cole Information Services
	APPEL GARY	Cole Information Services
	INDEPENDENT MORTGAGE	Cole Information Services
	THOMAS TEARS ATTORNEY OFFICE	Cole Information Services
	DATAMART	Cole Information Services
	ARCHITECTRONIX INC	Cole Information Services
	DAN P PLUTE INC	Cole Information Services
	GOKOO ROBT J LAW OFFICES	Cole Information Services
	JEAN LIEBHARD & ASSOCIATES	Cole Information Services
	PROCUREMENT SERVICES ASSOCIATES	Cole Information Services
	CONSOLIDATED CAPITOL CO INC	Cole Information Services
	ORANGE COUNTY SOUTHERN BAPTIST ASSN	Cole Information Services
2004	WINTERBOTHAM ROBERT G LAW OFC	Cole Information Services
	DOUGLAS SMITH	Cole Information Services
	ROBERT LAW WINTERBOTHAM	Cole Information Services
	KRISHNA GULAYA	Cole Information Services
	DATABASE MARKETING	Cole Information Services
	JF REALTY	Cole Information Services
	LAW OFFICE JOHN MONTANO JR	Cole Information Services
	PROCUREMENT SERVICES ASSOCS	Cole Information Services
	ORANGE COUNTY SOUTHERN BAPTIST	Cole Information Services
	ORANGE COUNTY ASSOCS INC	Cole Information Services
	JOYFUL LIGHT HEALING CTR	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2004	LAW OFFICE OF DOUGLAS S SMITH	Cole Information Services
	GULAYA KRISHNA ATTY AT LAW	Cole Information Services
	WELLS ELECTRICAL/USA	Cole Information Services
	GRMG INC	Cole Information Services
	THE LAW OFFICE THOMAS G TEARS	Cole Information Services
	US TAX ASSISTORS	Cole Information Services
	LAW OFFICES OF ROBERT J GOKOO	Cole Information Services
	HERON ROBERT E DC	Cole Information Services
1999	EMPIRE FINANCIAL	Cole Information Services
	CONOR KINNEY	Cole Information Services
	STERLING HOME LOANS	Cole Information Services
	INSURANCE TRANSACTORS INCORPORATED	Cole Information Services
	CHANNELS & GIDDENS ATTORNEYS	Cole Information Services
	INTEGRATED DESIGN GROUP	Cole Information Services
	ORANGE COUNTY ASSOCIATES	Cole Information Services
	RUGGLES CONSULTING ASSOCIATES INCORPORATED	Cole Information Services
	AKASAKA ORTIZ & CIOCATTO INSURANCE ASSOCIATION	Cole Information Services
	PMZ PENSION CORPORATION	Cole Information Services
	RODRIGUEZ STEPHEN A LAW OFFICES OF	Cole Information Services
	WINTERBOTHAM ROBERT G LAW OFFICES OF	Cole Information Services
	RMV MEDICAL	Cole Information Services
	AMERICAN LENDING CORPORATION	Cole Information Services
	HERON ROBERT E DC	Cole Information Services
	DATABASE MARKETING INCORPORATED	Cole Information Services
1995	CANL & GDESats	Pacific Bell
	CHANNELS & GIDDENS attys i	Pacific Bell
	Data Base Marketing Inc	Pacific Bell
	DEMING JUDITH E LAW OFFICES OF	Pacific Bell
	Elliott Peter Accountancy Corp Inc	Pacific Bell
	Giddens F Whitfield Channels & Giddens attys	Pacific Bell
	Government Contract Advisory & Litigation Support Services	Pacific Bell
	Liebhard Jean MAMFT	Pacific Bell
	Maher John G Jr Attorney At Law	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	PMZ Pension Corporation	Pacific Bell
	Rutyna Edwards J Channels & Gdens attys	Pacific Bell
1994	JEAN LIEBHARD	Cole Information Services
	LIEBHARD, JEAN	Cole Information Services
	RUTYNA, EDWARDS J	Cole Information Services
1991	Liebhard Jean MAMFT	Pacific Bell
	Madsen Jane E atty	Pacific Bell
	Mouser & Channels attys	Pacific Bell
	Mouser & Channels & Giddens attys	Pacific Bell
	From San Diego Telephones Call	Pacific Bell
	Mouser John E Mouser Channels & Giddens attys	Pacific Bell
	PMZ Pension Corporation	Pacific Bell
	Rutyna Edwards J	Pacific Bell
	Wetterman Walter Natty	Pacific Bell
	Channels Cedric H Mouser Channels & Giddens attys	Pacific Bell
	Dataline Group Inc	Pacific Bell
	Datalink Associates	Pacific Bell
	DEMINGJUDITH E LAW OFFICES OF	Pacific Bell
	Fischer William M atty	Pacific Bell
	Flanagan Joseph P atty	Pacific Bell
	Flanagan K Laug	Pacific Bell
	Giddens F Whitfield Mouser Channels & Giddens attys	Pacific Bell
1986	Advanced Paralegal	Pacific Bell
	Akasaka Ortiz & Cocatto Insurance Assn	Pacific Bell
	Boen Patnzia	Pacific Bell
	Carleton S Mills & Associates	Pacific Bell
	Channels Cedric H Mouser Channels I Roberts attys	Pacific Bell
	isarik Michael J Law Offices Of	Pacific Bell
	Colonial Financial Leasing	Pacific Bell
	Cooper Gary anty	Pacific Bell
	Design Business Forms	Pacific Bell
	Fischer William M atty	Pacific Bell
	Flanagan Joseph P atty	Pacific Bell
	Giddens F Whitfield Mouser Channels & Roberts attys	Pacific Bell
	Kanner Ronald H atty	Pacific Bell

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Madsen Jane E atty	Pacific Bell
	Mills Carl	Pacific Bell
	Mills Carleton S	Pacific Bell
	Mouser & Channels attys	Pacific Bell
	Mouser & Channels & Roberts attys	Pacific Bell
	Mouser John E Mouser Channels & Roberts attys	Pacific Bell
	OConnor & Martin attys at law	Pacific Bell
	PMZ Pension Corporation	Pacific Bell
	Peters George A tty	Pacific Bell
	Posnoff Eli J	Pacific Bell
	Rowe Lloyd B	Pacific Bell
1980	From Downey Telephones Call	Pacific Telephone
	t	Pacific Telephone
	I Aldrich Michael V	Pacific Telephone
	Channels Cedric H Mouser Channels & Roberts attys	Pacific Telephone
	Colonial Financial Corp	Pacific Telephone
	Design Business Forms	Pacific Telephone
	Design By R D Van De Walker	Pacific Telephone
	I	Pacific Telephone
	Wilson B Mac Farlane & Mac Farlane attys	Pacific Telephone
	Keller Steven D CPA	Pacific Telephone
	KIRBY JAME S L CPA	Pacific Telephone
	MAC FARLAN E & MAC FARLAN E attys	Pacific Telephone
	Mac Farlane attys	Pacific Telephone
	Mac Farlane Robert A Mac Farlane & Mac Fariane attys	Pacific Telephone
	attys	Pacific Telephone
	Mann Natalyn A Parker& Covert attys	Pacific Telephone
	Morrell Rivers J III Mac Farlane & Mac Farlane attys	Pacific Telephone
	Mouser & Channels attys	Pacific Telephone
	Mouser & Channels & Roberts attys	Pacific Telephone
	Mouser John E Mouser Channels & Roberts attys	Pacific Telephone
	Parker Clayton H Parker & Covert attys	Pacific Telephone
	Parker& Covert attys	Pacific Telephone
	Roberts Murray H Mouser Channels & Roberts attys	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Wetterman Walter N atty	Pacific Telephone

W 21ST ST

2201 W 21ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1965	Jerrys Shell Serv	Luskey Brothers

2216 W 21ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1965	Sparkys Texaco Serv	Luskey Brothers

2220 W 21ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1965	Avalon Cleaners Laundry	Luskey Brothers

2227 W 21ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1965	First Street Cleaning Center	Luskey Brothers

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
16791 E. Main Street (Tustin)	2014, 2009, 2004, 2002, 2001, 1999, 1997, 1995, 1994, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2000 E 1ST ST	2014, 2009, 2004, 2001, 1999, 1997, 1995, 1994, 1992, 1991, 1980, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2000 E 1ST ST	2014, 2009, 2004, 2002, 2001, 1999, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2000 E 21ST ST	2014, 2009, 2004, 2002, 2001, 1999, 1997, 1995, 1994, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2001 E 1ST SANTA ANA	2014, 2009, 2004, 2002, 2001, 1999, 1997, 1995, 1994, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2001 E 1ST ST	2014, 2009, 2004, 2001, 1999, 1997, 1994, 1992, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2001 E 1ST ST	2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2010 E 1ST ST	2004, 2002, 2001, 1999, 1997, 1995, 1994, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2010 E. First Avenue	2014, 2009, 2004, 2002, 2001, 1999, 1997, 1995, 1994, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2029 E 1ST ST	2014, 2009, 2004, 2001, 1999, 1997, 1995, 1994, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2029 E 1ST ST	2004, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2029 E. First Avenue	2014, 2009, 2004, 2002, 2001, 1999, 1997, 1995, 1994, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
203 GOLDEN CIRCLE DR	2014, 2009, 2004, 2001, 1999, 1997, 1995, 1994, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
203 N GOLDEN CIRCLE DR	2014, 2009, 2004, 2002, 2001, 1999, 1997, 1994, 1992, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
203 N GOLDEN CIRCLE DR	2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched

Address Not Identified in Research Source

2031 E 1ST ST	2014, 2009, 2004, 2001, 1999, 1997, 1995, 1994, 1992, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2031 E 1ST ST	2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
205 N GOLDEN CIRCLE DR	2014, 2009, 2002, 2001, 1999, 1997, 1995, 1994, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2100 E 1ATELAFLV ANTI	2014, 2009, 2004, 2002, 2001, 1999, 1997, 1995, 1994, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2101 E 1ST ST	2014, 2009, 2004, 2001, 1999, 1997, 1995, 1994, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2101 E 1ST ST	2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2105 E 1ST ST	2014, 2009, 2004, 2002, 2001, 1997, 1995, 1994, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2110 E 1ST ST	2014, 2009, 2004, 2001, 1999, 1997, 1994, 1992, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2110 E 1ST ST	2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2111 E 1ST ST	2014, 2009, 2004, 2001, 1999, 1997, 1995, 1994, 1992, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2111 E 1ST ST	2009, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2114 E 1ST ST	2014, 2009, 2004, 2001, 1999, 1997, 1995, 1994, 1992, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2114 E 1ST ST	2002, 2001, 1999, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2114 E. First Avenue	2014, 2009, 2004, 2002, 2001, 1999, 1997, 1995, 1994, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2121 E 1ST ST	2014, 2009, 2004, 2001, 1999, 1997, 1995, 1994, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2131 E 1ST ST	2014, 2009, 2004, 2001, 1999, 1997, 1995, 1994, 1992, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
2131 E 1ST ST	2014, 2002, 2001, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

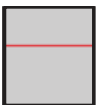
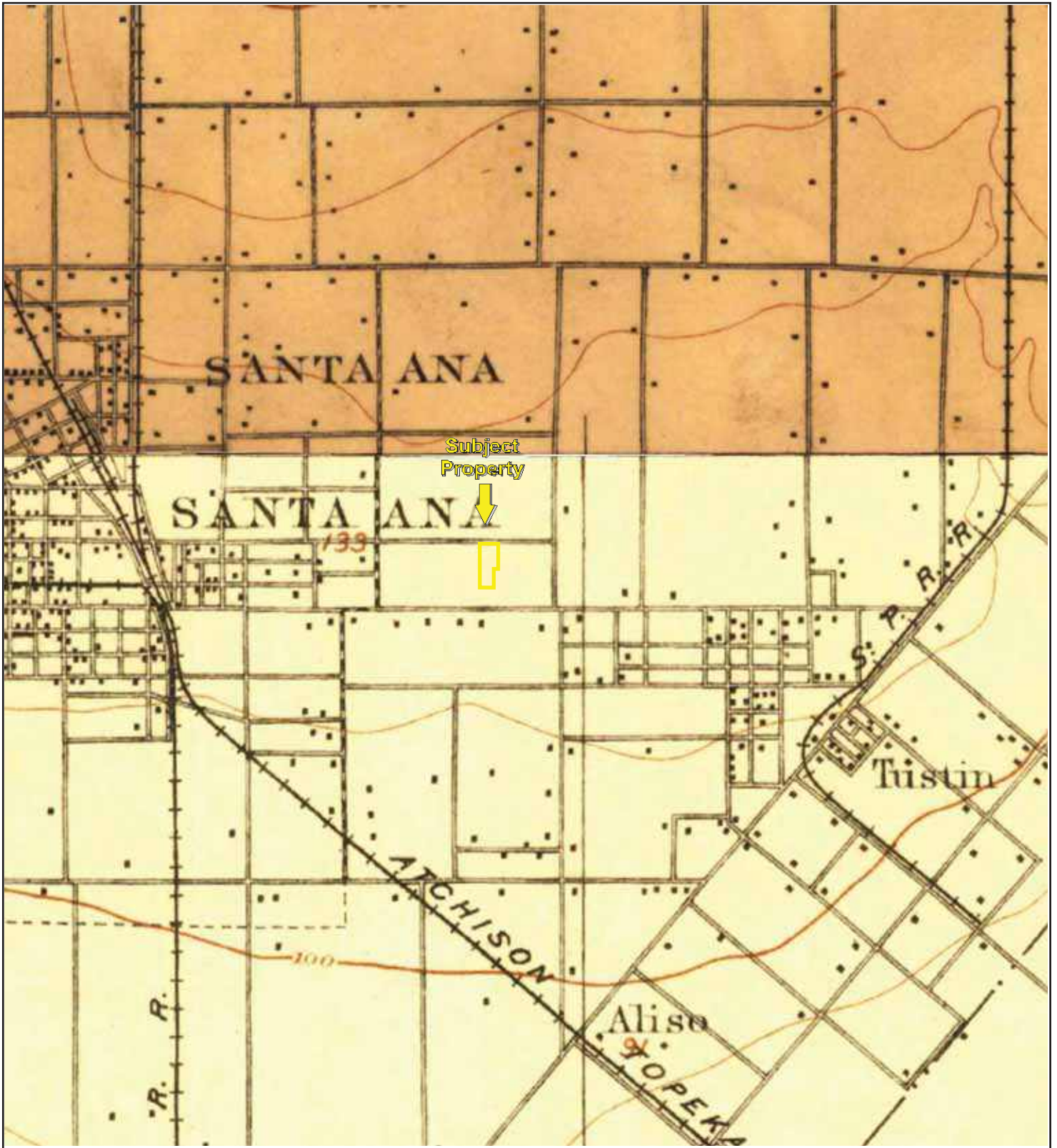
The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched

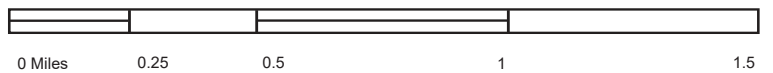
2020 E First Avenue

Address Not Identified in Research Source

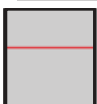
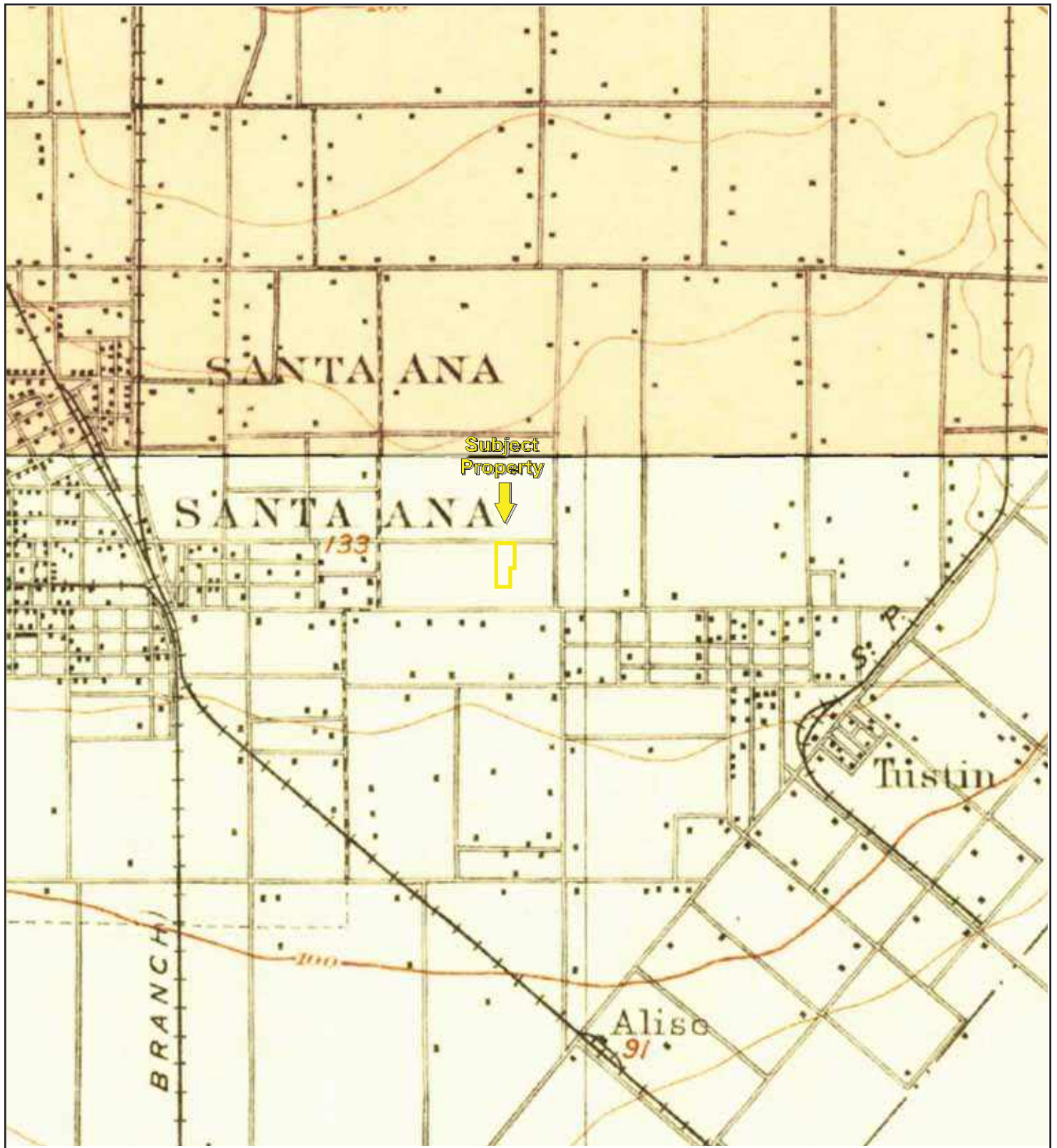
2001, 1997, 1992, 1980, 1971, 1970, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1936, 1930, 1926, 1925, 1922, 1921, 1920



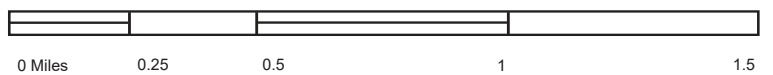
TP, Santa Ana, 1896, 15-minute
N, Anaheim, 1896, 15-minute



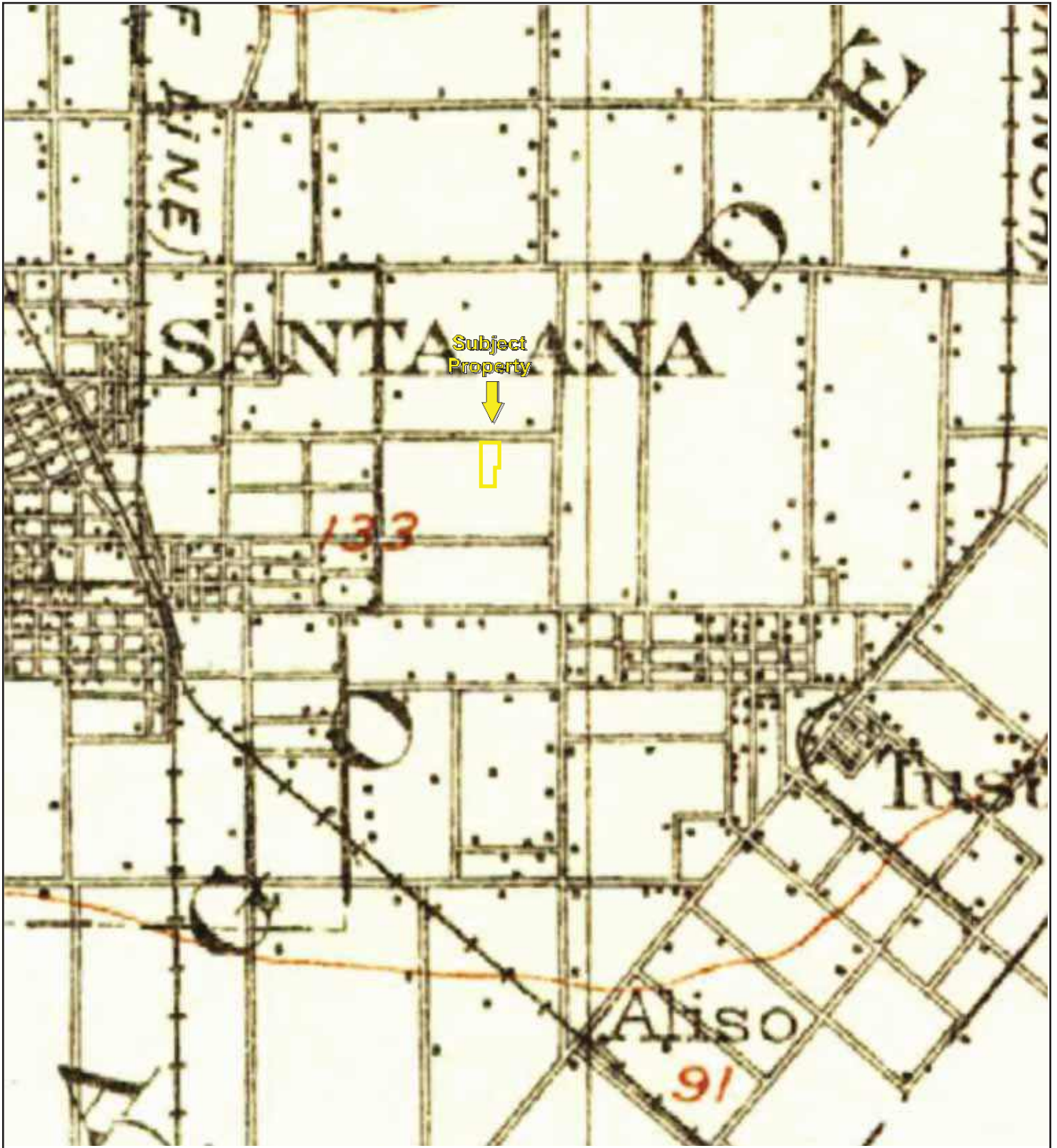
Key: Subject Property



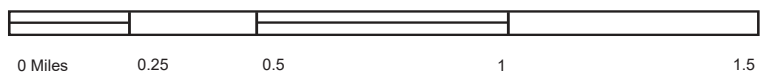
TP, Santa Ana, 1901, 15-minute
N, Anaheim, 1901, 15-minute



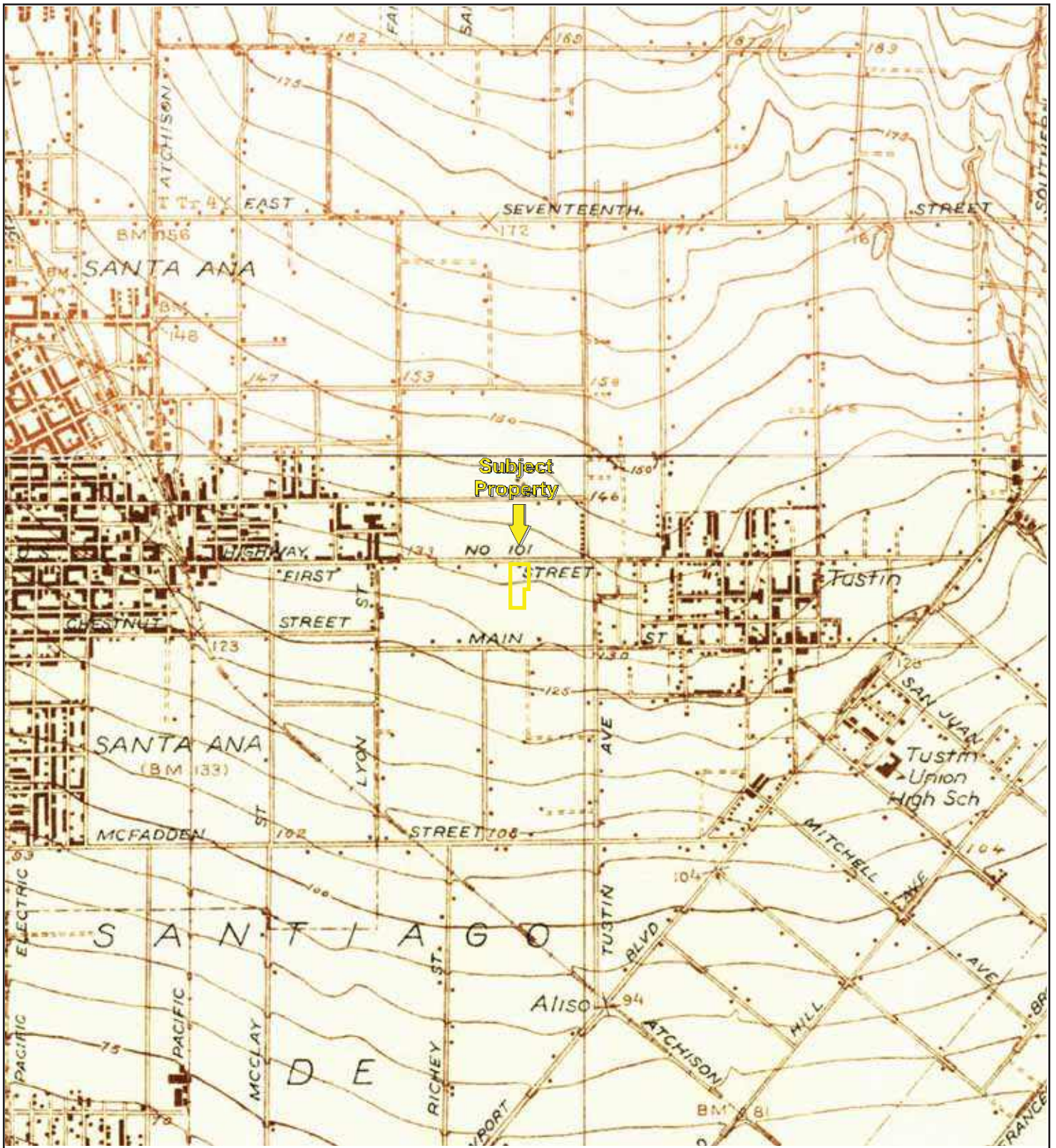
Key: Subject Property



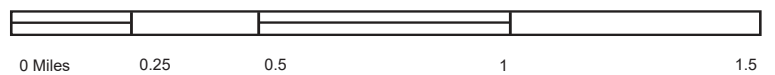
TP, Corona, 1902, 30-minute



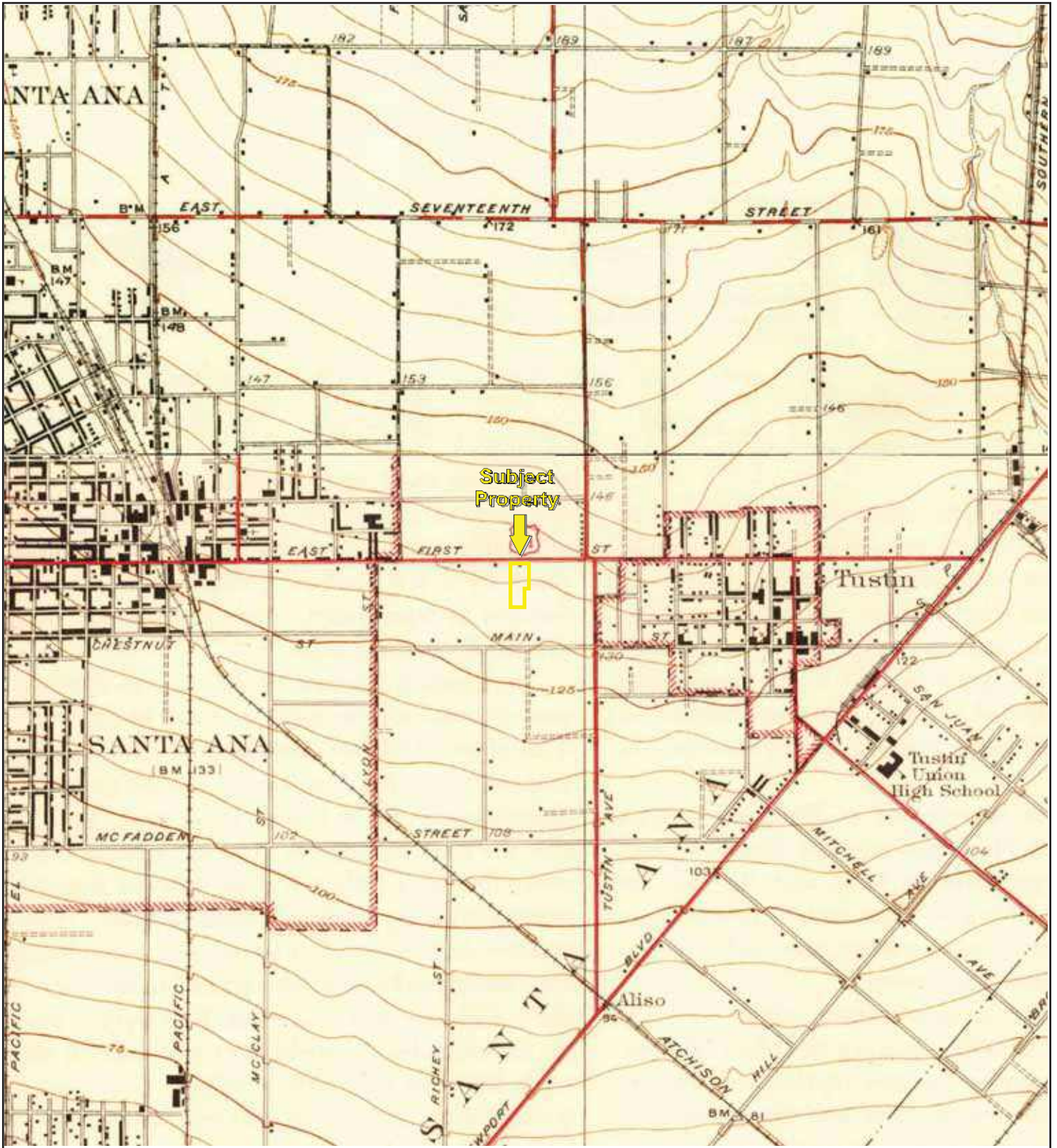
Key: Subject Property 



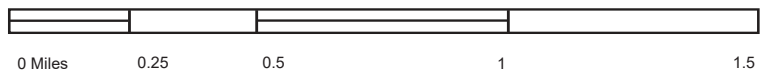
TP, Tustin, 1932, 7.5-minute
N, Orange, 1932, 7.5-minute



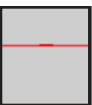
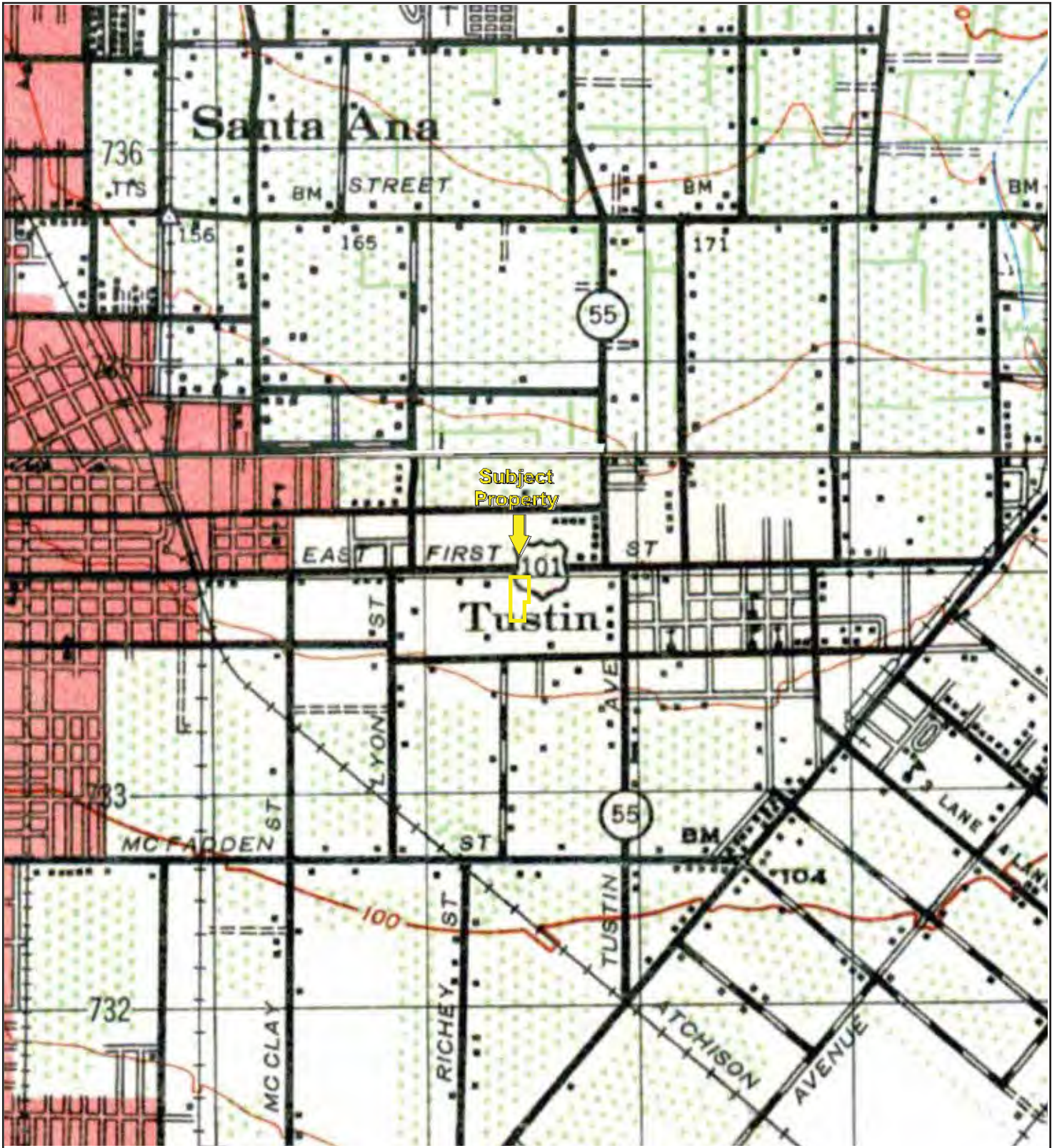
Key: Subject Property



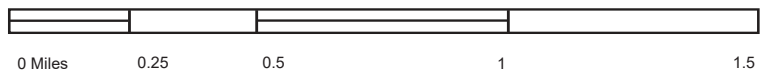
TP, Tustin, 1935, 7.5-minute
N, Orange, 1935, 7.5-minute



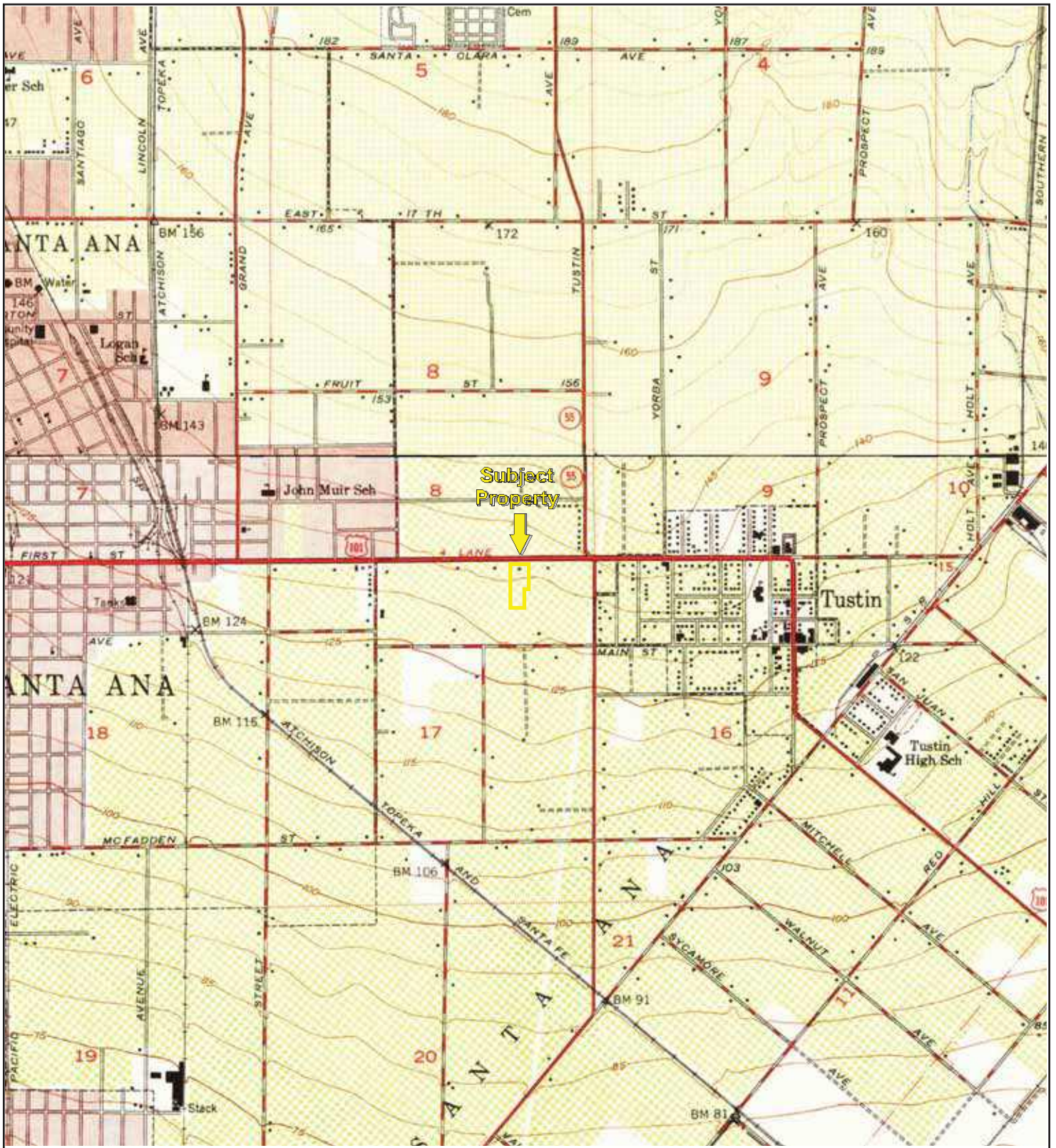
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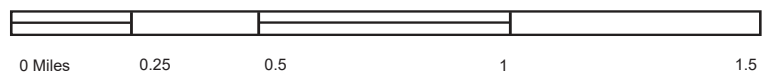
TP, SANTA ANA, 1942, 15-minute
N, ANAHEIM, 1942, 15-minute



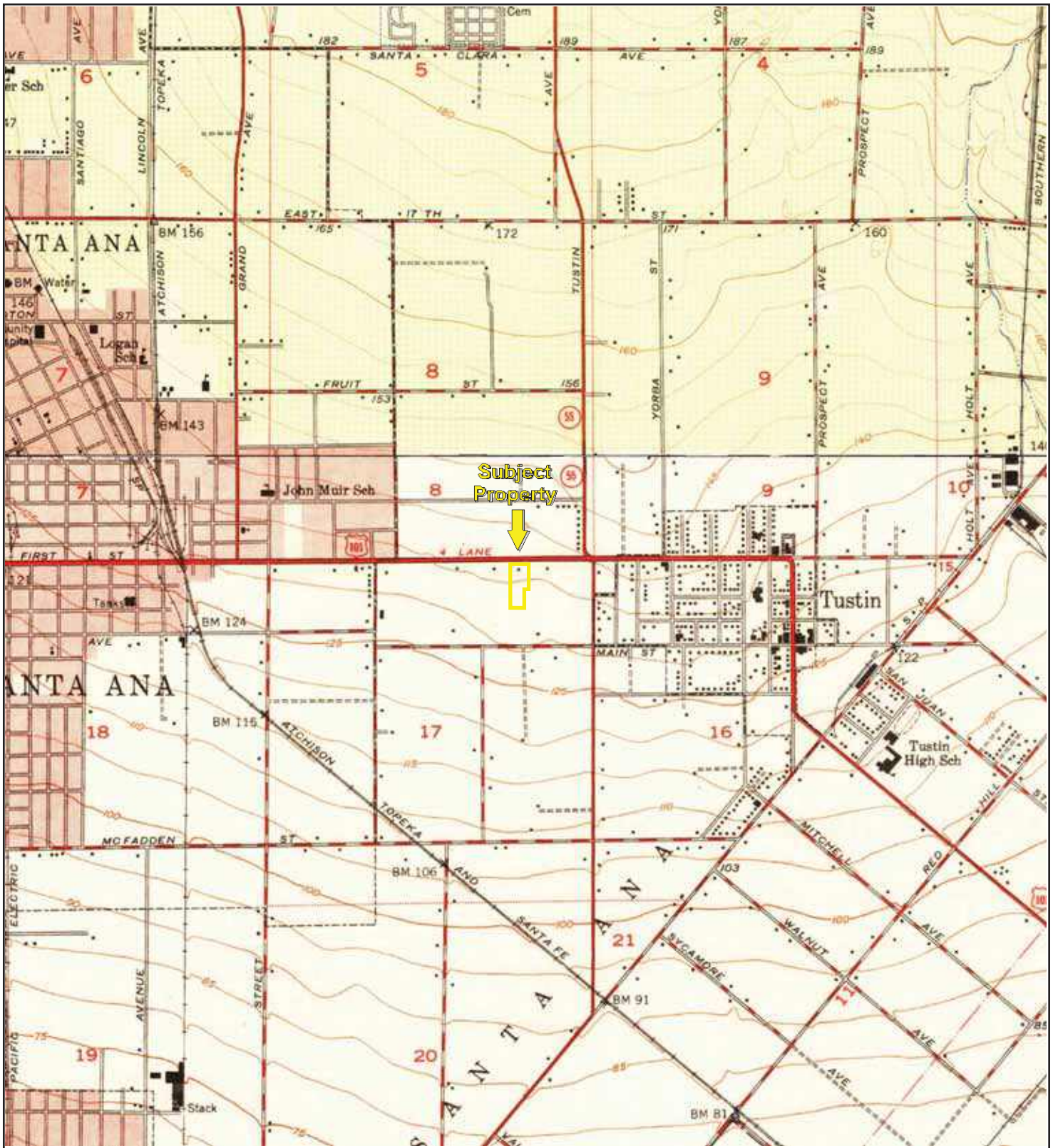
Key: Subject Property



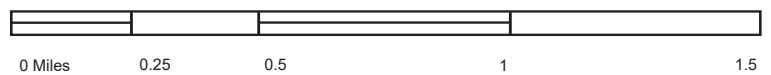
TP, Tustin, 1948, 7.5-minute
N, Orange, 1949, 7.5-minute



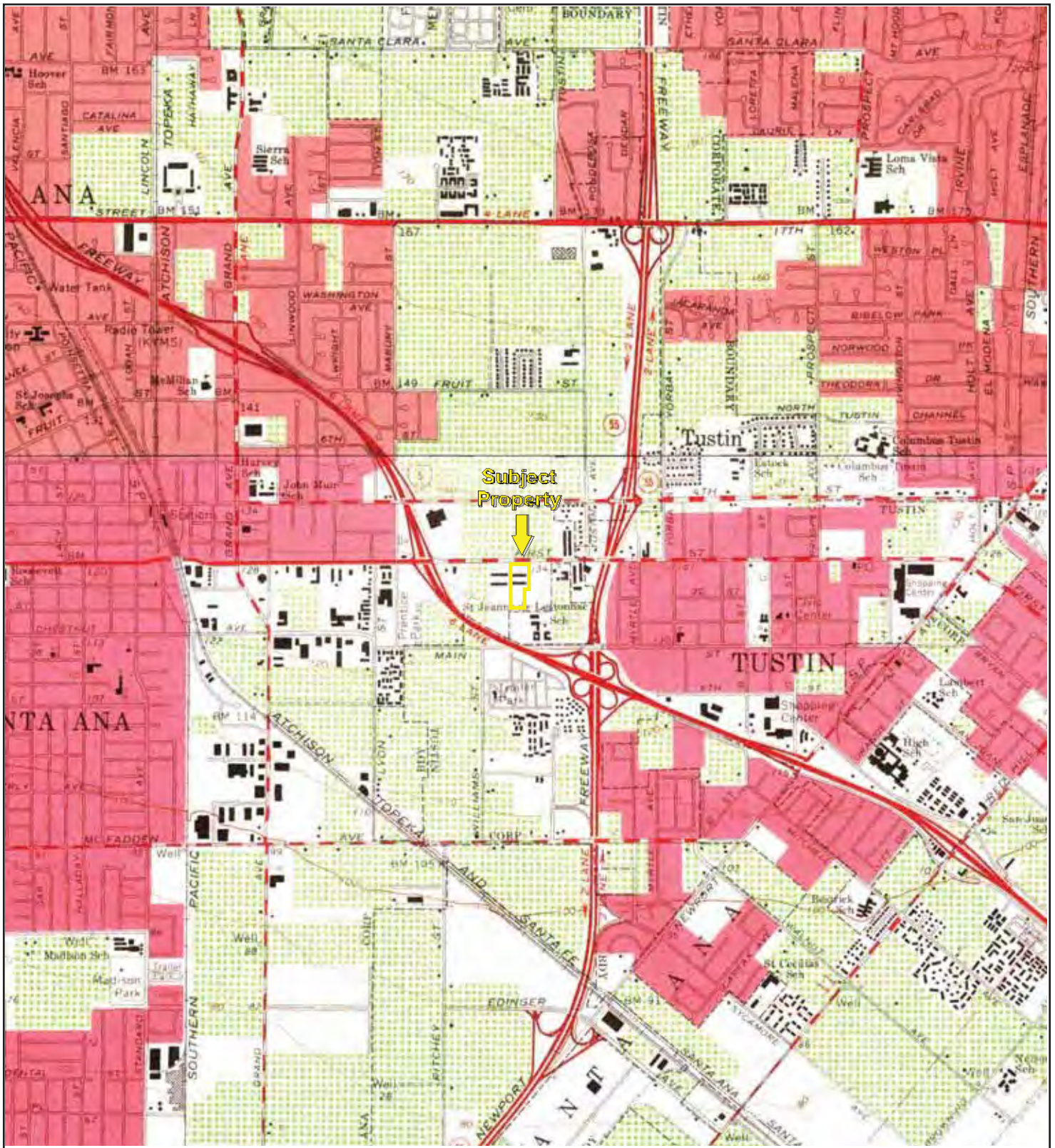
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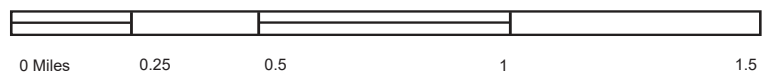
TP, Tustin, 1950, 7.5-minute
N, Orange, 1950, 7.5-minute



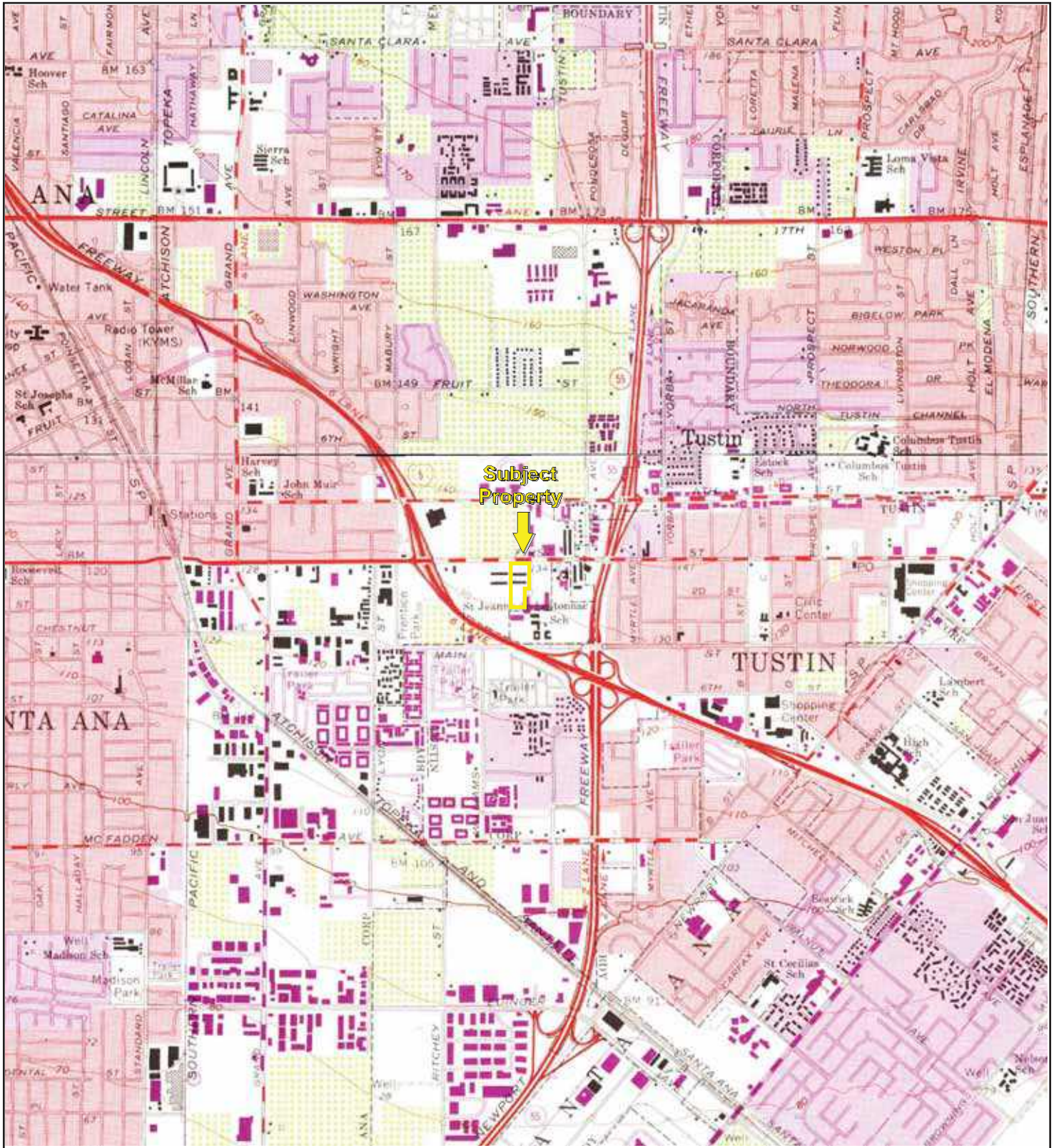
Key: Subject Property



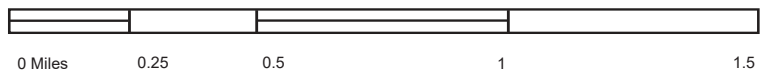
TP, Tustin, 1965, 7.5-minute
N, Orange, 1964, 7.5-minute



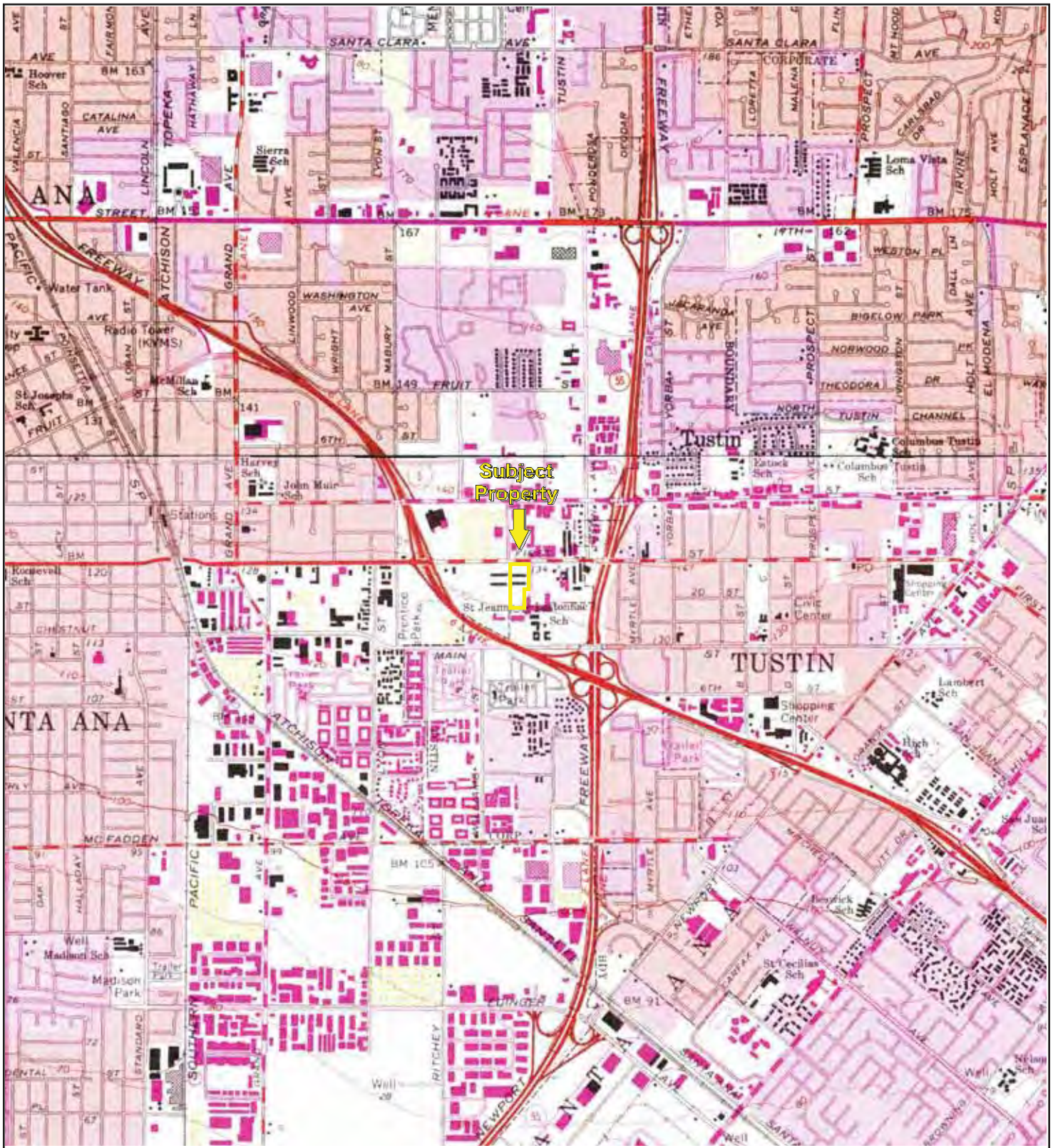
Key: Subject Property



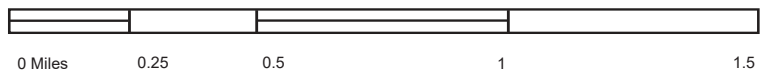
TP, Tustin, 1972, 7.5-minute
N, Orange, 1972, 7.5-minute



Key: Subject Property



TP, Tustin, 1981, 7.5-minute
N, Orange, 1981, 7.5-minute



Key: Subject Property

Site Report

Fresenius Orange County South



**2020 E 1ST ST
SANTA ANA, CA 92705**

County Orange County
CalEnviroscreen 3.0 Percentile Range 71-75%



Alternate IDs

Facilities Explorer ID 165026 **Facility Identifier** FA0066585

Regulatory Programs

Description	Source System	Program Id	Start Date	End Date
Chemical Storage Facilities	California Environmental Reporting System	10343551	07/10/2013	

Site Contacts

Name	Title	Phone	Address
Bio-Medical Applications of California, Inc.		(714) 972-1236	2020 E. 1st Street, Suite 110 Santa Ana, CA 92705
Edgar Quezada			2020 East First St., Suite 110 Santa Ana, CA 92705
Emma Werlin		(714) 547-0800	525 Cabrillo Park Dr. Santa Ana, CA 92705
Fresenius Kidney Care Orange County South		(714) 972-1236	

Name	Title	Phone	Address
Gema Singleton	Administrative Assistant		
Mailing Address			2020 E. 1st Street, Suite 110 Santa Ana, CA 92705
Orange County Env Health		(714) 433-6406	1241 East Dyer Road Suite 120 Santa Ana, CA 92705-5611
URS			



**COUNTY OF ORANGE
HEALTH CARE AGENCY**

MAILING ADDRESS:
1241 E. DYER ROAD STE. 120
SANTA ANA, CA 92702

TELEPHONE: (714) 433-6000
FAX: (714) 433-6424

ENVIRONMENTAL HEALTH

www.ochealthinfo.com/regulatory/environ.htm

REQUEST FOR ENVIRONMENTAL HEALTH RECORDS

The undersigned hereby requests a copy of the records prepared and maintained by the Health Care Agency in the ordinary course of business, at or near the time of the act, condition, or event which they depict.

The records requested are maintained under the Public Records Act Government Code § 6250 – 6276.48. Some information held in the documents may be exempt from release pursuant to the Public Records Act.

The undersigned understands that the Health Care Agency will charge \$0.15 per page copied. In the case of a request for a large number of copies, the Health Care Agency may provide the requestor an estimate of copy costs prior to making said copies. If any request is to be canceled, this office must be notified at the above number within ten (10) days of receipt of request, otherwise cost incurred will be charged to the undersigned.

In order to assist you, please describe the reason for your request:

REFINANCING DEBT

Please list addresses here (no more than 10 addresses per request):

2020 E. FIRST STREET, SANTA ANA, CA 92705

Check here if you would like a review only or to review before copies are made





SIGNATURE of Requester

DAVID CHRISTIAN, PARTNER ENVIRONMENTAL

PRINT Name of Requester (and Company Name - if applicable)

18032 C LEMON DRIVE, #206

PRINT Street Address

92880 - 714-693-9623

Area Code and Phone Number

YARBA LINDA, CA 92880

PRINT City, State and Zip Code

DEC 20, 2020

Date

**RECORDS THAT HAVE NOT BEEN PICKED UP WITHIN 60 DAYS OF
NOTIFICATION WILL BE DESTROYED**



**COUNTY OF ORANGE
HEALTH CARE AGENCY**

ENVIRONMENTAL HEALTH

www.ocalthinfo.com/regulatory/enviro.htm

MAILING ADDRESS:
1241 E. DYER ROAD STE. 120
SANTA ANA, CA 92702

TELEPHONE: (714) 433-6000
FAX: (714) 433-6424

HAZARDOUS WASTE / OTHER PROGRAM INFORMATION CHECKLIST

Please check only the records you need. This will enable us to search only the actual files that pertain to your request, cutting down time spent on searching for records that you may not want.

Site Specific Information

- ☒ Above Ground Petroleum Storage Tank File
- ☒ California Accidental Release Prevention Program File
- ☒ Certified Unified Program Agency (CUPA) records
- ☐ City of Brea Hazardous Materials Business Plan File
- ☒ Complaints regarding Hazardous Waste or Underground Storage Tank Facility
- ☒ Hazardous Waste Generator Facility File
- ☐ Hazardous Waste Industrial Cleanup Site File
- ☐ Hazardous Waste Spill Response Log (Emergency Incidents Log)
- ☒ Leaking Underground Storage Tank Cleanup Site File
- ☒ Medical Waste Facility Record
- ☐ Proposition 65 Notification
- ☐ Recycling Program
- ☐ Solid Waste Facility File (large files – need to be specific)
- ☐ Spill Prevention, Control and Countermeasure (SPCC) File
- ☐ Tiered Permit Facility File
- ☒ Underground Storage Tank File
- ☐ Water Quality Information

Available on Environmental Health Website

(See www.ocalthinfo.com/regulatory/downloads/reports.htm)

[List of Hazardous Waste Generator Facilities](#) (HWFACILITIES.SRW)

[List of Industrial Cleanup Sites](#) (IC PROGRAM CASES BY CITY.SRW)

[List of Underground Storage Tank Cleanup Sites](#)

[List of Underground Storage Tank Facilities](#) (USTFACILITIES.SRW)

A list of Solid Waste landfills (which includes closed landfills) can be obtained through the California website: www.ciwm.ca.gov/SWIS/

Other information: _____



[Search Again](#) | [Search Results](#) | [Facility Details](#) | [Equipment List](#) | [Compliance](#) | [Emissions](#) | [Hearing Board](#) | [Transportation](#)

Facility Details

Facility ID	77954
Company Name	AMPLICAN
Address	2020 E 1ST ST SANTA ANA, CA 92705
Status	OUT OF BUSINESS
SIC Code	Description
3669	COMMUNICATIONS EQUIPMENT, NEC



[Search Again](#) | [Search Results](#) | [Facility Details](#) | [Equipment List](#) | [Compliance](#) | [Emissions](#) | [Hearing Board](#) | [Transportation](#)

Equipment List

Facility ID	77954
Company Name	AMPLICAN
Address	2020 E 1ST ST
	SANTA ANA, CA 92705

No Equipment Listed



[Search Again](#) | [Search Results](#) | [Facility Details](#) | [Equipment List](#) | [Compliance](#) | [Emissions](#) | [Hearing Board](#) | [Transportation](#)

Compliance

Facility ID 77954
Company Name AMPLICAN
Address 2020 E 1ST ST
 SANTA ANA, CA 92705

Notices Of Violaton: NONE

Notices To Comply: NONE



[Search Again](#) | [Search Results](#) | [Facility Details](#) | [Equipment List](#) | [Compliance](#) | [Emissions](#) | [Hearing Board](#) | [Transportation](#)

Facility Details

Facility ID	24527
Company Name	O. R. HAAN CHRYSLER-PLYMOUTH
Address	2020 E FIRST ST SANTA ANA, CA 92705
Status	OUT OF BUSINESS
SIC Code	Description
7538	GENERAL AUTO REPAIR SHOPS



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Equipment List

Facility ID 24527
Company Name O. R. HAAN CHRYSLER-PLYMOUTH
Address 2020 E FIRST ST
 SANTA ANA, CA 92705

<u>Appl. Nbr</u>	<u>Permit Nbr</u>	<u>Issued Date</u>	<u>Permit Status</u>	<u>Eq Type</u>	<u>Equip Description</u>	<u>Appl Date</u>	<u>Appl Status</u>
19534X	S00026	4/18/1977	INACTIVE	Control	SPRAY BOOTH PAINT AND SOLVENT		PERMIT TO OPERATE GRANTED

First	Prev	Page 1 of 1 (1 records)	Next	Last	Page 1 v	Export To Excel



Facility Information Detail (FIND)

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Compliance

Facility ID 24527
Company Name O. R. HAAN CHRYSLER-PLYMOUTH
Address 2020 E FIRST ST
 SANTA ANA, CA 92705

Notices Of Violaton: NONE

Notices To Comply: NONE



Facility Information Detail (FIND)

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Facility Details

Facility ID 152827
Company Name FRESENIUS MEDICAL CARE NORTH AMERICA
Address 2020 E 1ST ST
 SANTA ANA, CA 92705

Status ACTIVE

Are there any back fees due?

No.



Facility Information Detail (FIND)

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Equipment List

Facility ID 152827
Company Name FRESNIUS MEDICAL CARE NORTH AMERICA
Address 2020 E 1ST ST
 SANTA ANA, CA 92705

<u>Appl Nbr</u>	<u>Permit Nbr</u>	<u>Issued Date</u>	<u>Permit Status</u>	<u>Eq Type</u>	<u>Equip Description</u>	<u>Appl Date</u>	<u>Appl Status</u>
472463	F91800	8/21/2007	INACTIVE	Basic	I C E (50-500 HP) EM ELEC GEN-DIESEL	8/3/2007	PERMIT TO OPERATE GRANTED

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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Page 1
Permit No.
F91800
A/N 472463

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for the annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner
or Operator:

FRESENIUS MEDICAL CARE NORTH AMERICA
95 HAYDEN AVE
LEXINGTON, MA 02421-7955

ID 152827

Equipment Location: 2020 E 1ST ST, STE 110, SANTA ANA, CA 92705-4029

Equipment Description :

INTERNAL COMBUSTION ENGINE, JOHN DEERE, 6 CYLINDER, TURBOCHARGED/AFTERCOOLED,
MODEL 4045HF285I, 158 BHP, DIESEL FUELED, DRIVING AN EMERGENCY ELECTRICAL
GENERATOR.

Conditions :

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. A NON-RESETTABLE TOTALIZING TIMER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.
5. OPERATION BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT: (A) THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME; AND (B) THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.

FILE COPY



PERMIT TO OPERATE

Page 2
Permit No
F91800
A/N 472463

- 6 AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION FOR A MINIMUM OF THREE YEARS FROM THE DATE OF ENTRY AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST THE TOTAL HOURS OF OPERATION (INCLUDING HOURS FOR MANUAL AND AUTOMATIC OPERATION) SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR
- 7 THE OPERATOR SHALL NOT PURCHASE ANY DIESEL FUEL UNLESS THE FUEL IS LOW SULFUR DIESEL FOR WHICH THE SULFUR CONTENT DOES NOT EXCEED 15 PPM BY WEIGHT EFFECTIVE JANUARY 1, 2006, THE OPERATOR SHALL ONLY USE DIESEL FUEL WITH A SULFUR CONTENT THAT DOES NOT EXCEED 15 PPM BY WEIGHT, UNLESS THE OPERATOR DEMONSTRATES IN WRITING TO THE EXECUTIVE OFFICER THAT SPECIFIC ADDITIONAL TIME IS NECESSARY
- 8 THIS ENGINE SHALL BE A US EPA CERTIFIED, NON-ROAD COMPRESSION-IGNITION ENGINE, AS EVIDENCED BY THE MANUFACTURER'S ENGINE TAG

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES

EXECUTIVE OFFICER

By Dorris M Bailey/WC01
8/21/2007

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Compliance

Facility ID 152827
Company Name FRESNIUS MEDICAL CARE NORTH AMERICA
Address 2020 E 1ST ST
 SANTA ANA, CA 92705

Notices Of Violaton: NONE

Notices To Comply

<u>Notice Number</u>	<u>Violation Date</u>	<u>Re-Inspection Date</u>	<u>Status</u>
E13533	1/12/2012	1/25/2012	Change of Ownership

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NOV/NC Details

Notice Number	E13533	Violation Date	1/12/2012	Issue Date	1/25/2012	Notice Type	NC

Facility ID	152827

Company Name	FRESENIUS MEDICAL CARE NORTH AMERICA

Address	2020 E 1ST SANTA ANA, CA 92705

Violation Description	Register all refrigerant >50 lbs.

Equipment Description	AC units

Status	Change of Ownership

Re-inspection Date	1/25/2012

Rule No.	Rule Description

1415	Reduction of Refrigerant Emissions from Stationary Refrigeration and AC Systems



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Facility Details

Facility ID	105678
Company Name	OPTION ONE MORTGAGE
Address	2020 E 1ST ST SANTA ANA, CA 92705
Status	OUT OF BUSINESS



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Equipment List

Facility ID	105678
Company Name	OPTION ONE MORTGAGE
Address	2020 E 1ST ST
	SANTA ANA, CA 92705

No Equipment Listed



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Compliance

Facility ID 105678
Company Name OPTION ONE MORTGAGE
Address 2020 E 1ST ST
 SANTA ANA, CA 92705

Notices Of Violaton: NONE

Notices To Comply: NONE



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Facility Details

Facility ID	45052
Company Name	SANTA ANA CHRYSLER PLYMOUTH
Address	2020 E FIRST ST SANTA ANA, CA 92705
Status	OUT OF BUSINESS
SIC Code	Description
7538	GENERAL AUTO REPAIR SHOPS



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Equipment List

Facility ID	45052
Company Name	SANTA ANA CHRYSLER PLYMOUTH
Address	2020 E FIRST ST
	SANTA ANA, CA 92705

No Equipment Listed



Facility Information Detail (FIND)

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Compliance

Facility ID 45052
Company Name SANTA ANA CHRYSLER PLYMOUTH
Address 2020 E FIRST ST
 SANTA ANA, CA 92705

Notices Of Violaton: NONE

Notices To Comply: NONE



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Facility Details

Facility ID	87971
Company Name	WOODWARD-CLYDE
Address	2020 E FIRST ST SANTA ANA, CA 92705
Status	OUT OF BUSINESS



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Equipment List

Facility ID 87971
Company Name WOODWARD-CLYDE
Address 2020 E FIRST ST
 SANTA ANA, CA 92705

No Equipment Listed



Facility Information Detail (FIND)

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Compliance

Facility ID 87971
Company Name WOODWARD-CLYDE
Address 2020 E FIRST ST
 SANTA ANA, CA 92705

Notices Of Violaton: NONE

Notices To Comply: NONE



ORANGE COUNTY FIRE AUTHORITY

P. O. Box 57115, Irvine, CA 92619 1 Fire Authority Rd., Irvine, CA 92602

Keith Richter, Fire Chief (714) 573-6000 fax (714) 368-8836 www.ocfa.org

Community Right To Know Records Search Form

Check the information needed:

- ☒ Hazardous Materials Inventory Information
☐ Business Emergency Plan Information
☒ Code Enforcement or Inspection Information

Date Requested: 12/20/20

Record Search Requested for the Following Address:

BUSINESS NAME

OFFICE BUILDING

BUSINESS SITE ADDRESS

2020 E. FIRST STREET

CITY

SANTA ANA

CA

ZIP CODE

92705

Reason for the Request:

REFINANCING DEBT

Code Enforcement Information Requested:

Fire Code Violation History

Permits

☐ Current Occupant

☐ Current Permits

☐ Previous Occupant

"OPEN" VIOLATIONS

☐ All Permits on File

☒ Other - Please Specify: LUST, AST, USE, SPILLS

☐ Chemical Database

Information Requested by:

NAME OF REQUESTOR

DAVID CHRISTIAN

BUSINESS PHONE

FAX NUMBER

714-693-9623

REQUESTOR'S COMPANY NAME

FARTHER ENVIRONMENTAL

COMPANY ADDRESS

18032 C LEMON DRIVE #206

CITY

YORBA LINDA

STATE

CA

ZIP CODE

92886

OFFICIAL USE ONLY

Request received:

Processed by:

BID#

- ☐ Records found in system
☐ Records not found in system

Referred:

- ☐ Trade Secret Information Requested
☐ Folder Requested for Information: ☐ Station _____ ☐ HMSS ☐ NAN ☐ SAN

Additional Comments:



CITY OF SANTA ANA

Clerk of the Council Office

20 Civic Center Plaza, Room 809

P.O. Box 1988, M-30

Santa Ana, CA 92702

PHONE: (714) 647-6520

FAX: (714) 647-6956

Request for Public Records

Your request will be processed in compliance with the Public Records Act California Government Code § 6253.

Public records are accessible at all times during regular office hours and can be inspected at no charge. The more specific you are with the information you are requesting, the more responsive we may be to your request.

Copies may be provided in most instances upon request, unless documents are archived or need to be gathered. Requestor will be notified in writing if additional time will be necessary pursuant to the Public Records Act. All document duplication fees are due and payable in full and are based on the City's current fee resolution.

For Official Use Only

Date request received by COTC

City Clerk

Date to City Attorney: _____

Dept. forwarded to: _____

Department

Copy fee: _____

Deadline for pick up: _____

Request Completed by:

Staff Name: _____

Date: _____

Notes: _____

Person requesting information:

Name	David	Christian
	First	Last
		Middle
Address	18032 C Lemon Drive #206	Yorba Linda 92886
	Street	City Zip Code
Phone:	714-693-9623	
	Fax:	
		E-Mail pdchristian@sbcglobal.net

I would like to (check one) ☐ INSPECT ☒ OBTAIN A COPY OF (\$20/page unless otherwise specified by laws)

the following document(s): Subject Property: Office Building, 2020 E. First Street, Santa Ana 92705

We are refinancing the subject property and are requesting the following information via email: 1. Copies of any OPEN fire code, building code, zoning or other code violations.

2. The date the fire department last inspected the subject property. 3. Copy of the original Certificate of Occupancy an

APPENDIX C: REGULATORY DATABASE REPORT

2020 E First Avenue
2020 E First Avenue
SANTA ANA, CA 92705

Inquiry Number: 6308387.2s
December 21, 2020

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2020 E FIRST AVENUE
SANTA ANA, CA 92705

COORDINATES

Latitude (North):	33.7449320 - 33° 44' 41.75"
Longitude (West):	117.8371680 - 117° 50' 13.80"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	422456.2
UTM Y (Meters):	3733996.2
Elevation:	135 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5640942 TUSTIN, CA
Version Date:	2012
North Map:	5641308 ORANGE, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140514
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
2020 E FIRST AVENUE
SANTA ANA, CA 92705

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	URS	2020 E 1ST ST	FINDS		TP
A2	KOLL MANAGEMENT SVCS	2020 E FIRST ST	HWTS		TP
A3	URS	2020 E 1ST ST	AST		TP
A4	CHARGER #10	2002 W 001ST ST	CA FID UST	Higher	36, 0.007, NNE
A5	SANTA ANA HONDA	2114	LUST, HIST CORTESE	Higher	45, 0.009, North
A6	HONDA SANTA ANA	2114 E FIRST STREET	HIST UST, NPDES, CERS, HWTS	Higher	142, 0.027, NE
A7	HONDA SANTA ANA	2114 E FIRST ST	CA FID UST, RCRA NonGen / NLR, FINDS, ECHO	Higher	142, 0.027, NE
A8	HONDA SANTA ANA	2114 E 1ST ST	LUST, SWEEPS UST, HIST UST, Orange Co. Industrial...	Higher	142, 0.027, NE
A9	FIRST POINT APARTMEN	2114 E. 1ST STREET	RCRA NonGen / NLR	Higher	142, 0.027, NE
A10	FIRST POINT APARTMEN	2114 E. FIRST ST.	RCRA NonGen / NLR	Higher	142, 0.027, NE
A11	SANTA ANA PACIFIC AS	2114 E. 1ST	UST	Higher	142, 0.027, NE
B12	AECOM	2110 EAST 1ST STREET	RCRA NonGen / NLR	Lower	171, 0.032, SSE
B13	AHLC SANTA ANA FAMIL	2110 E 1ST ST	RCRA NonGen / NLR	Lower	171, 0.032, SSE
B14	AECOM	2110 EAST FIRST STRE	RCRA NonGen / NLR	Lower	171, 0.032, SSE
B15	AHLC SANTA ANA FAMIL	2110 E 1ST ST	RCRA NonGen / NLR	Lower	171, 0.032, SSE
C16	SNOW WHITE DRY CLEAN	2031 E FIRST ST STE	DRYCLEANERS	Higher	255, 0.048, NNW
C17	NEW CLEANERS	2031 E 1ST ST #A1	DRYCLEANERS	Higher	255, 0.048, NNW
C18	PERFECT CLEANERS, LE	2031 E FIRST ST	DRYCLEANERS	Higher	255, 0.048, NNW
C19	SNOWWHITE CLEANERS	2031 E 1ST ST #A1	DRYCLEANERS	Higher	255, 0.048, NNW
C20	NEW CLEANERS	2031 E 1ST ST STE A1	RCRA NonGen / NLR	Higher	255, 0.048, NNW
C21	SNOWWHITE CLEANERS	2031 E 1ST ST	EDR Hist Cleaner	Higher	255, 0.048, NNW
C22	NEW CLEANERS	2031 E 1ST ST STE A1	DRYCLEANERS, HWTS	Higher	255, 0.048, NNW
23	A RISING BUILDERS	2202 E 1ST STREET	RCRA NonGen / NLR	Higher	324, 0.061, ENE
D24	ANAHEIM STATIONS	2002 01ST	LUST, HIST CORTESE	Higher	524, 0.099, WNW
D25	FREEWAY AUTO BODY	2000 E FIRST ST	RCRA-SQG	Higher	528, 0.100, WNW
D26	SANTA ANA CHR PLY &	2000 E FIRST ST	RCRA-SQG, SWEEPS UST, HIST UST, CA FID UST, FINDS,...	Higher	528, 0.100, WNW
27	VISTA SANTA FE TRANS	250 N GOLDEN CIRCLE	EDR Hist Auto	Higher	576, 0.109, NNW
E28	LABORATORY CORPORATI	100 N TUSTIN AVE	RCRA NonGen / NLR	Higher	808, 0.153, ENE
E29	TUSTIN HONDA	100 N TUSTIN AVENUE	HIST UST	Higher	808, 0.153, ENE
E30	TUSTIN HONDA	100 TUSTIN AVE	HIST UST	Higher	832, 0.158, ENE
E31	THRIFTY OIL	101 TUSTIN AVE	LUST, UST, CERS	Higher	872, 0.165, ENE
E32	THRIFTY OIL	101 TUSTIN	LUST, HIST UST, Cortese	Higher	872, 0.165, ENE
E33	THRIFTY OIL	101 N TUSTIN AVE	LUST	Higher	932, 0.177, ENE
E34	ARCO STN 378	101 N TUSTIN	HIST UST	Higher	932, 0.177, ENE
E35	THRIFTY OIL	101 N TUSTIN AVE	LUST	Higher	932, 0.177, ENE
36	DUBITEC AMERICA INC	2000 E 4TH ST	PROC	Higher	952, 0.180, NNW
F37	CALIFORNIA COMMERCIA	2212 E 4TH ST	RCRA NonGen / NLR	Higher	991, 0.188, NNE
F38	ST. JOSEPH HERITAGE	2212 E 4TH ST	RCRA NonGen / NLR	Higher	991, 0.188, NNE
39	S&N LABS INC	2021 E 4TH ST STE 11	RCRA NonGen / NLR	Higher	1061, 0.201, North

MAPPED SITES SUMMARY

Target Property Address:
2020 E FIRST AVENUE
SANTA ANA, CA 92705

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
G40	A&M BUSINESS ENTERPR	320 N TUSTIN AVE	RCRA NonGen / NLR	Higher	1093, 0.207, NE
G41	GRENROOD TEXACO	320 N TUSTIN AVE	SWEEPS UST, HIST UST	Higher	1093, 0.207, NE
G42	TEXACO	320 NORTH TUSTIN AVE	UST	Higher	1093, 0.207, NE
G43	TEXACO	320 TUSTIN AND FOURT	HIST UST, CA FID UST	Higher	1093, 0.207, NE
G44	A & M BUSINESS ENTER	320 N TUSTIN AVE	CERS HAZ WASTE, HIST UST, CERS TANKS, HAZNET,...	Higher	1093, 0.207, NE
G45	A & M BUSINESS ENTER	320 N TUSTIN AVE	UST	Higher	1093, 0.207, NE
G46	LEGION AUTO GROUP	320 N TUSTIN AVE	RCRA NonGen / NLR	Higher	1093, 0.207, NE
G47	LEGTION AUTO SERVICE	320 N TUSTIN AVE	RCRA NonGen / NLR	Higher	1093, 0.207, NE
G48	SHELL OIL SERVICE ST	320 TUSTIN AVENUE, N	LUST, Cortese, CERS	Higher	1093, 0.207, NE
G49	SHELL OIL PRODUCTS U	320 N TUSTIN	RCRA-SQG	Higher	1093, 0.207, NE
H50	92631	1814 E 1ST ST	SWEEPS UST, HIST UST	Lower	1101, 0.209, West
H51	92631	1814 E FIRST ST	HIST UST	Lower	1101, 0.209, West
52	KAISER FOUNDATION HO	1900 E 4TH ST	RCRA NonGen / NLR	Higher	1133, 0.215, NW
G53	CHEVRON SERVICE STAT	325 TUSTIN AVE. N	LUST, Cortese, CERS	Higher	1138, 0.216, NE
54	XEROX CENTRE PARTNER	1851 E FIRST ST STE	RCRA-SQG, HAZNET, HWTS	Lower	1210, 0.229, WNW
G55	97601	325 N TUSTIN AVE	HIST UST	Higher	1296, 0.245, NE
G56	CHEVRON 97601	325 N TUSTIN AVE	HIST UST	Higher	1296, 0.245, NE
G57	CHEVRON STATION NO 9	325 N TUSTIN AVE	RCRA-SQG, UST, FINDS, ECHO	Higher	1296, 0.245, NE
G58	CHEVRON STATION #9-7	325 N TUSTIN AVE	CERS HAZ WASTE, SWEEPS UST, CERS TANKS, CA FID...	Higher	1296, 0.245, NE
G59	XPRESS CAR WASH	325 N TUSTIN AVE	RCRA NonGen / NLR	Higher	1296, 0.245, NE
60	CAL TRANS	270 PASADENA AVE	UST	Lower	1306, 0.247, ESE
I61	PASADENA WELL	170 PASADENA AVE	RCRA-SQG	Higher	1308, 0.248, East
I62	PASADENA WELL	170 PASADENA AVE	CERS HAZ WASTE, HAZNET, CERS, HWTS	Higher	1308, 0.248, East
J63	SHELL SERVICE STATIO	401 TUSTIN	LUST, HIST CORTESE	Higher	1330, 0.252, NE
J64	US GAS	401 N TUSTIN AVE	LUST, CERS HAZ WASTE, CERS TANKS, CA FID UST,...	Higher	1434, 0.272, NE
J65	SHELL OIL PRODUCTS U	401 N. TUSTIN AVENUE	LUST, Cortese	Higher	1434, 0.272, NE
K66	COMPAK FOODS		ENVIROSTOR	Lower	1710, 0.324, West
K67	COMPAK FOODS		FUDS	Lower	1727, 0.327, West
L68	AMERICAN RED CROSS	601 N GOLDEN CIRCLE	LUST, Cortese, CERS	Higher	1746, 0.331, North
L69	AMERICAN RED CROSS	601 GOLDEN CIRCLE DR	LUST, SWEEPS UST, CA FID UST	Higher	1746, 0.331, North
M70	ENERGY & ENVIRONMENT	8001 IRVINE BLVD	RCRA-SQG, LUST, HIST UST, FINDS, ECHO, Cortese,...	Higher	1982, 0.375, ENE
M71	MOBIL #18-LW8	17241 IRVINE	LUST, Cortese, HIST CORTESE, CERS	Higher	2044, 0.387, NE
72	SANTA ANA FIRE STATI	1688 EAST 4TH STREET	LUST, Cortese, CERS	Higher	2227, 0.422, WNW
N73	EECO	1441 EAST CHESTNUT A	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-SQG, LUST	Lower	2760, 0.523, WSW
N74	ELEMENTARY SCHOOL NO	FIRST STREET/TOWNSEN	ENVIROSTOR, SCH	Lower	2857, 0.541, WSW
N75	E. CHESTNUT SA PROPE	1538 E. CHESTNUT AVE	ENVIROSTOR, Orange Co. Industrial Site	Lower	2905, 0.550, WSW
76	WESTERN MEDICAL CENT	1001 N TUSTIN AVE	ENVIROSTOR, CERS HAZ WASTE, SWEEPS UST, HIST UST,...	Higher	3291, 0.623, NNE
77	RAYMOND VILLA SCHOOL	1441 EAST CHESTNUT A	ENVIROSTOR, SCH, CERS	Lower	3511, 0.665, WSW
78	QUICK QUALITY CLEAN	16795 MCFADDEN AVE	RCRA-SQG, ENVIROSTOR, Orange Co. Industrial Site,...	Lower	3821, 0.724, South

MAPPED SITES SUMMARY

Target Property Address:
2020 E FIRST AVENUE
SANTA ANA, CA 92705

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
79	REMINGTON ELEMENTARY	1325 EAST FOURTH STR	ENVIROSTOR, SCH, CERS	Higher	4100, 0.777, WNW
80	XEROX CORPORATION	2200 MCFADDEN AVENUE	ENVIROSTOR, CPS-SLIC	Lower	4327, 0.820, South
81	BREAK-FREE, INC	1035 S LINWOOD AVE	ENVIROSTOR, Orange Co. Industrial Site	Lower	4432, 0.839, SW
82	ORANGE COUNTY REGIST	625 N. GRAND AVENUE	ENVIROSTOR, LUST	Higher	4807, 0.910, WNW
83	FORMER DRY CLEANER,	NORTHEAST CORNER 17T	ENVIROSTOR, VCP	Higher	5218, 0.988, North

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
URS 2020 E 1ST ST SANTA ANA, CA 92705	FINDS Registry ID:: 110065855195	N/A
KOLL MANAGEMENT SVCS 2020 E FIRST ST SANTA ANA, CA 92707	HWTS	N/A
URS 2020 E 1ST ST SANTA ANA, CA 92705	AST Database: AST, Date of Government Version: 07/06/2016	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC..... Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Program Properties

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database

EXECUTIVE SUMMARY

HAULERS.....	Registered Waste Tire Haulers Listing
INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
ODI.....	Open Dump Inventory
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS.....	Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL.....	Delisted National Clandestine Laboratory Register
HIST Cal-Sites.....	Historical Calsites Database
SCH.....	School Property Evaluation Program
CDL.....	Clandestine Drug Labs
Toxic Pits.....	Toxic Pits Cleanup Act Sites
US CDL.....	National Clandestine Laboratory Register
PFAS.....	PFAS Contamination Site Location Listing

Local Land Records

LIENS.....	Environmental Liens Listing
LIENS 2.....	CERCLA Lien Information
DEED.....	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS.....	Hazardous Materials Information Reporting System
CHMIRS.....	California Hazardous Material Incident Report System
LDS.....	Land Disposal Sites Listing
MCS.....	Military Cleanup Sites Listing
Orange Co. Industrial Site.....	List of Industrial Site Cleanups
SPILLS 90.....	SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing

EXECUTIVE SUMMARY

DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
ECHO.....	Enforcement & Compliance History Information
UXO.....	Unexploded Ordnance Sites
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
CUPA Listings.....	CUPA Resources List
EMI.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
HAZNET.....	Facility and Manifest Data
ICE.....	ICE
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
Notify 65.....	Proposition 65 Records
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
CIWQS.....	California Integrated Water Quality System
CERS.....	CERS
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)
MINES MRDS.....	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List

EXECUTIVE SUMMARY

RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 06/15/2020 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>EECO</i> EPA ID:: CAD008256349	<i>1441 EAST CHESTNUT A</i>	<i>WSW 1/2 - 1 (0.523 mi.)</i>	<i>N73</i>	<i>268</i>

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/15/2020 has revealed that there are 6 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FREEWAY AUTO BODY EPA ID:: CAD981158967	2000 E FIRST ST	WNW 0 - 1/8 (0.100 mi.)	D25	48
<i>SANTA ANA CHR PLY &</i> EPA ID:: CAD981692155	<i>2000 E FIRST ST</i>	<i>WNW 0 - 1/8 (0.100 mi.)</i>	<i>D26</i>	<i>51</i>
SHELL OIL PRODUCTS U EPA ID:: CAD983602574	320 N TUSTIN	NE 1/8 - 1/4 (0.207 mi.)	G49	143
<i>CHEVRON STATION NO 9</i>	<i>325 N TUSTIN AVE</i>	<i>NE 1/8 - 1/4 (0.245 mi.)</i>	<i>G57</i>	<i>164</i>

EXECUTIVE SUMMARY

EPA ID:: CA0000466789				
PASADENA WELL	170 PASADENA AVE	E 1/8 - 1/4 (0.248 mi.)	I61	195
Lower Elevation	Address	Direction / Distance	Map ID	Page
XEROX CENTRE PARTNER	1851 E FIRST ST STE	WNW 1/8 - 1/4 (0.229 mi.)	54	157
EPA ID:: CA0000381905				

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/27/2020 has revealed that there are 11 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WESTERN MEDICAL CENT Facility Id: 71002574 Status: Inactive - Needs Evaluation	1001 N TUSTIN AVE	NNE 1/2 - 1 (0.623 mi.)	76	329
REMINGTON ELEMENTARY Facility Id: 30820004 Status: Inactive - Needs Evaluation	1325 EAST FOURTH STR	WNW 1/2 - 1 (0.777 mi.)	79	422
ORANGE COUNTY REGIST Facility Id: 71002942 Status: Inactive - Needs Evaluation	625 N. GRAND AVENUE	WNW 1/2 - 1 (0.910 mi.)	82	428
FORMER DRY CLEANER, Facility Id: 60001948 Status: Active	NORTHEAST CORNER 17T	N 1/2 - 1 (0.988 mi.)	83	435
Lower Elevation	Address	Direction / Distance	Map ID	Page
COMPAK FOODS Facility Id: 80000999 Status: Inactive - Needs Evaluation		W 1/4 - 1/2 (0.324 mi.)	K66	247
ELEMENTARY SCHOOL NO Facility Id: 30590003 Status: Inactive - Needs Evaluation	FIRST STREET/TOWNSEN	WSW 1/2 - 1 (0.541 mi.)	N74	325
E. CHESTNUT SA PROPE Facility Id: 60000732 Status: Refer: 1248 Local Agency	1538 E. CHESTNUT AVE	WSW 1/2 - 1 (0.550 mi.)	N75	328
RAYMOND VILLA SCHOOL	1441 EAST CHESTNUT A	WSW 1/2 - 1 (0.665 mi.)	77	407

EXECUTIVE SUMMARY

Facility Id: 30360188
Facility Id: 80001539
Status: Refer: RCRA
Status: Active

QUICK QUALITY CLEAN	16795 MCFADDEN AVE	S 1/2 - 1 (0.724 mi.)	78	416
Facility Id: 30720008 Status: Refer: 1248 Local Agency				
XEROX CORPORATION	2200 MCFADDEN AVENUE	S 1/2 - 1 (0.820 mi.)	80	426
Facility Id: 60001237 Status: No Further Action				
BREAK-FREE, INC	1035 S LINWOOD AVE	SW 1/2 - 1 (0.839 mi.)	81	427
Facility Id: 30280535 Status: Refer: 1248 Local Agency				

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 17 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SANTA ANA HONDA Database: LUST REG 8, Date of Government Version: 02/14/2005 Facility Status: Preliminary site assessment underway Global ID: T0605901901	2114	N 0 - 1/8 (0.009 mi.)	A5	11
HONDA SANTA ANA Database: LUST, Date of Government Version: 09/08/2020 Status: Completed - Case Closed Global ID: T0605901901	2114 E 1ST ST	NE 0 - 1/8 (0.027 mi.)	A8	18
ANAHEIM STATIONS Database: LUST REG 8, Date of Government Version: 02/14/2005 Facility Status: Case Closed Global ID: T0605900998	2002 01ST	WNW 0 - 1/8 (0.099 mi.)	D24	47
THRIFTY OIL Database: LUST, Date of Government Version: 09/08/2020 Status: Completed - Case Closed Global ID: T0605941193 Global ID: T0605900843	101 TUSTIN AVE	ENE 1/8 - 1/4 (0.165 mi.)	E31	71
THRIFTY OIL Database: LUST REG 8, Date of Government Version: 02/14/2005 Facility Status: Case Closed Global ID: T0605900843 Global ID: T0605941193	101 TUSTIN	ENE 1/8 - 1/4 (0.165 mi.)	E32	75
THRIFTY OIL Database: ORANGE CO. LUST, Date of Government Version: 07/02/2020 Facility Id: 91UT029	101 N TUSTIN AVE	ENE 1/8 - 1/4 (0.177 mi.)	E33	79
THRIFTY OIL Database: ORANGE CO. LUST, Date of Government Version: 07/02/2020	101 N TUSTIN AVE	ENE 1/8 - 1/4 (0.177 mi.)	E35	80

EXECUTIVE SUMMARY

Facility Id: 88UT169

SHELL OIL SERVICE ST **320 TUSTIN AVENUE, N** **NE 1/8 - 1/4 (0.207 mi.)** **G48** **138**

Database: LUST REG 8, Date of Government Version: 02/14/2005

Database: LUST, Date of Government Version: 09/08/2020

Status: Completed - Case Closed

Facility Status: Case Closed

Global Id: T0605953807

Global ID: T0605953807

CHEVRON SERVICE STAT **325 TUSTIN AVE. N** **NE 1/8 - 1/4 (0.216 mi.)** **G53** **153**

Database: LUST REG 8, Date of Government Version: 02/14/2005

Database: LUST, Date of Government Version: 09/08/2020

Status: Completed - Case Closed

Facility Status: Pollution Characterization

Global Id: T0605990440

Global ID: T0605990440

SHELL SERVICE STATIO **401 TUSTIN** **NE 1/4 - 1/2 (0.252 mi.)** **J63** **210**

Database: LUST REG 8, Date of Government Version: 02/14/2005

Facility Status: Case Closed

Global ID: T0605900685

US GAS **401 N TUSTIN AVE** **NE 1/4 - 1/2 (0.272 mi.)** **J64** **211**

Database: LUST, Date of Government Version: 09/08/2020

Status: Completed - Case Closed

Global Id: T0605934780

Global ID: T0605900685

SHELL OIL PRODUCTS U **401 N. TUSTIN AVENUE** **NE 1/4 - 1/2 (0.272 mi.)** **J65** **245**

Database: LUST REG 8, Date of Government Version: 02/14/2005

Facility Status: Post remedial action monitoring

Global ID: T0605934780

AMERICAN RED CROSS **601 N GOLDEN CIRCLE** **N 1/4 - 1/2 (0.331 mi.)** **L68** **248**

Database: LUST, Date of Government Version: 09/08/2020

Status: Completed - Case Closed

Global Id: T0605900666

AMERICAN RED CROSS **601 GOLDEN CIRCLE DR** **N 1/4 - 1/2 (0.331 mi.)** **L69** **251**

Database: LUST REG 8, Date of Government Version: 02/14/2005

Facility Status: Case Closed

Global ID: T0605900666

ENERGY & ENVIRONMENT **8001 IRVINE BLVD** **ENE 1/4 - 1/2 (0.375 mi.)** **M70** **253**

Database: LUST REG 8, Date of Government Version: 02/14/2005

Database: LUST, Date of Government Version: 09/08/2020

Database: ORANGE CO. LUST, Date of Government Version: 07/02/2020

Status: Completed - Case Closed

Facility Id: 90UT260

Facility Status: Case Closed

Global Id: T0605901295

Global ID: T0605901295

MOBIL #18-LW8 **17241 IRVINE** **NE 1/4 - 1/2 (0.387 mi.)** **M71** **260**

Database: LUST REG 8, Date of Government Version: 02/14/2005

Database: LUST, Date of Government Version: 09/08/2020

Database: ORANGE CO. LUST, Date of Government Version: 07/02/2020

Status: Completed - Case Closed

Facility Id: 94UT042

Facility Status: Case Closed

EXECUTIVE SUMMARY

Global Id: T0605901789
Global ID: T0605901789

SANTA ANA FIRE STATI **1688 EAST 4TH STREET** **WNW 1/4 - 1/2 (0.422 mi.)** **72** **264**
Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: LUST, Date of Government Version: 09/08/2020
Status: Completed - Case Closed
Facility Status: Case Closed
Global Id: T0605981039
Global ID: T0605981039

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 6 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SANTA ANA PACIFIC AS Database: ORANGE CO. UST, Date of Government Version: 07/01/2020 Facility Id: NOT AVAILABLE	2114 E. 1ST	NE 0 - 1/8 (0.027 mi.)	A11	27
THRIFTY OIL Database: UST, Date of Government Version: 09/08/2020 Facility Id: 4940	101 TUSTIN AVE	ENE 1/8 - 1/4 (0.165 mi.)	E31	71
TEXACO Database: UST, Date of Government Version: 09/08/2020 Facility Id: 30-020-sa213	320 NORTH TUSTIN AVE	NE 1/8 - 1/4 (0.207 mi.)	G42	93
A & M BUSINESS ENTER Database: ORANGE CO. UST, Date of Government Version: 07/01/2020 Database: UST, Date of Government Version: 09/08/2020 Facility Id: FA0053827 Facility Id: FA0053827	320 N TUSTIN AVE	NE 1/8 - 1/4 (0.207 mi.)	G45	133
CHEVRON STATION NO 9 Database: ORANGE CO. UST, Date of Government Version: 07/01/2020 Database: UST, Date of Government Version: 09/08/2020 Facility Id: FA0057572 Facility Id: 30-020-sa216	325 N TUSTIN AVE	NE 1/8 - 1/4 (0.245 mi.)	G57	164
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CAL TRANS Database: UST, Date of Government Version: 09/08/2020 Facility Id: 11146	270 PASADENA AVE	ESE 1/8 - 1/4 (0.247 mi.)	60	195

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 07/20/2020 has revealed that there are 3 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
A & M BUSINESS ENTER	320 N TUSTIN AVE	NE 1/8 - 1/4 (0.207 mi.)	G44	95
CHEVRON STATION #9-7	325 N TUSTIN AVE	NE 1/8 - 1/4 (0.245 mi.)	G58	167
PASADENA WELL	170 PASADENA AVE	E 1/8 - 1/4 (0.248 mi.)	I62	198

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 5 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HONDA SANTA ANA Comp Number: 261	2114 E 1ST ST	NE 0 - 1/8 (0.027 mi.)	A8	18
SANTA ANA CHR PLY & Status: A Tank Status: A Comp Number: 58914	2000 E FIRST ST	WNW 0 - 1/8 (0.100 mi.)	D26	51
GRENRD TEXACO Status: A Tank Status: A Comp Number: 213	320 N TUSTIN AVE	NE 1/8 - 1/4 (0.207 mi.)	G41	90
CHEVRON STATION #9-7 Status: A Tank Status: A Comp Number: 216	325 N TUSTIN AVE	NE 1/8 - 1/4 (0.245 mi.)	G58	167
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
92631 Comp Number: 62295	1814 E 1ST ST	W 1/8 - 1/4 (0.209 mi.)	H50	146

EXECUTIVE SUMMARY

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 14 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HONDA SANTA ANA	2114 E FIRST STREET	NE 0 - 1/8 (0.027 mi.)	A6	12
HONDA SANTA ANA Facility Id: 00000020281	2114 E 1ST ST	NE 0 - 1/8 (0.027 mi.)	A8	18
SANTA ANA CHR PLY & Facility Id: 00000058914	2000 E FIRST ST	WNW 0 - 1/8 (0.100 mi.)	D26	51
TUSTIN HONDA	100 N TUSTIN AVENUE	ENE 1/8 - 1/4 (0.153 mi.)	E29	70
TUSTIN HONDA Facility Id: 00000066159	100 TUSTIN AVE	ENE 1/8 - 1/4 (0.158 mi.)	E30	71
THRIFTY OIL Facility Id: 00000004726	101 TUSTIN	ENE 1/8 - 1/4 (0.165 mi.)	E32	75
ARCO STN 378	101 N TUSTIN	ENE 1/8 - 1/4 (0.177 mi.)	E34	79
GRENRD TEXACO Facility Id: 00000060237	320 N TUSTIN AVE	NE 1/8 - 1/4 (0.207 mi.)	G41	90
TEXACO	320 TUSTIN AND FOURT	NE 1/8 - 1/4 (0.207 mi.)	G43	93
A & M BUSINESS ENTER	320 N TUSTIN AVE	NE 1/8 - 1/4 (0.207 mi.)	G44	95
97601	325 N TUSTIN AVE	NE 1/8 - 1/4 (0.245 mi.)	G55	162
Facility Id: 00000063011				
CHEVRON 97601	325 N TUSTIN AVE	NE 1/8 - 1/4 (0.245 mi.)	G56	163
Facility Id: 00000057386				
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
92631 Facility Id: 00000062295	1814 E 1ST ST	W 1/8 - 1/4 (0.209 mi.)	H50	146
92631	1814 E FIRST ST	W 1/8 - 1/4 (0.209 mi.)	H51	149

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 07/20/2020 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
A & M BUSINESS ENTER	320 N TUSTIN AVE	NE 1/8 - 1/4 (0.207 mi.)	G44	95
CHEVRON STATION #9-7	325 N TUSTIN AVE	NE 1/8 - 1/4 (0.245 mi.)	G58	167

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 5 CA FID UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHARGER #10	2002 W 001ST ST	NNE 0 - 1/8 (0.007 mi.)	A4	10

EXECUTIVE SUMMARY

Facility Id: 30017870
Status: A

HONDA SANTA ANA Facility Id: 30017841 Status: A	2114 E FIRST ST	NE 0 - 1/8 (0.027 mi.)	A7	14
SANTA ANA CHR PLY & Facility Id: 30017883 Status: A	2000 E FIRST ST	WNW 0 - 1/8 (0.100 mi.)	D26	51
TEXACO Facility Id: 30008184 Status: A	320 TUSTIN AND FOURT	NE 1/8 - 1/4 (0.207 mi.)	G43	93
CHEVRON STATION #9-7 Facility Id: 30013116 Status: A	325 N TUSTIN AVE	NE 1/8 - 1/4 (0.245 mi.)	G58	167

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/15/2020 has revealed that there are 18 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HONDA SANTA ANA EPA ID:: CAD982434532	2114 E FIRST ST	NE 0 - 1/8 (0.027 mi.)	A7	14
FIRST POINT APARTMEN EPA ID:: CAC003022711	2114 E. 1ST STREET	NE 0 - 1/8 (0.027 mi.)	A9	22
FIRST POINT APARTMEN NEW CLEANERS EPA ID:: CAL000342036	2114 E. FIRST ST. 2031 E 1ST ST STE A1	NE 0 - 1/8 (0.027 mi.) NNW 0 - 1/8 (0.048 mi.)	A10 C20	24 40
A RISING BUILDERS EPA ID:: CAC003007418	2202 E 1ST STREET	ENE 0 - 1/8 (0.061 mi.)	23	44
LABORATORY CORPORATI EPA ID:: CAL000408154	100 N TUSTIN AVE	ENE 1/8 - 1/4 (0.153 mi.)	E28	67
CALIFORNIA COMMERCIA ST. JOSEPH HERITAGE S&N LABS INC EPA ID:: CAL000432860	2212 E 4TH ST 2212 E 4TH ST 2021 E 4TH ST STE 11	NNE 1/8 - 1/4 (0.188 mi.) NNE 1/8 - 1/4 (0.188 mi.) N 1/8 - 1/4 (0.201 mi.)	F37 F38 39	80 83 85
A&M BUSINESS ENTERPR EPA ID:: CAL000441577	320 N TUSTIN AVE	NE 1/8 - 1/4 (0.207 mi.)	G40	88
LEGION AUTO GROUP EPA ID:: CAL000424020	320 N TUSTIN AVE	NE 1/8 - 1/4 (0.207 mi.)	G46	133
LEGION AUTO SERVICE	320 N TUSTIN AVE	NE 1/8 - 1/4 (0.207 mi.)	G47	136

EXECUTIVE SUMMARY

EPA ID:: CAL000445221				
KAISER FOUNDATION HO	1900 E 4TH ST	NW 1/8 - 1/4 (0.215 mi.)	52	150
EPA ID:: CAL000188633				
XPRESS CAR WASH	325 N TUSTIN AVE	NE 1/8 - 1/4 (0.245 mi.)	G59	193
EPA ID:: CAL000420323				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AECOM	2110 EAST 1ST STREET	SSE 0 - 1/8 (0.032 mi.)	B12	27
EPA ID:: CAC002995313				
AHLC SANTA ANA FAMIL	2110 E 1ST ST	SSE 0 - 1/8 (0.032 mi.)	B13	29
EPA ID:: CAC003012035				
AECOM	2110 EAST FIRST STRE	SSE 0 - 1/8 (0.032 mi.)	B14	32
EPA ID:: CAC002981201				
AHLC SANTA ANA FAMIL	2110 E 1ST ST	SSE 0 - 1/8 (0.032 mi.)	B15	34
EPA ID:: CAC002995184				

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 08/05/2020 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COMPAK FOODS		W 1/4 - 1/2 (0.327 mi.)	K67	248

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 06/22/2020 has revealed that there are 10 Cortese sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HONDA SANTA ANA	2114 E 1ST ST	NE 0 - 1/8 (0.027 mi.)	A8	18
Cleanup Status: COMPLETED - CASE CLOSED				
THRIFTY OIL	101 TUSTIN	ENE 1/8 - 1/4 (0.165 mi.)	E32	75
Cleanup Status: COMPLETED - CASE CLOSED				
SHELL OIL SERVICE ST	320 TUSTIN AVENUE, N	NE 1/8 - 1/4 (0.207 mi.)	G48	138
Cleanup Status: COMPLETED - CASE CLOSED				
CHEVRON SERVICE STAT	325 TUSTIN AVE. N	NE 1/8 - 1/4 (0.216 mi.)	G53	153
Cleanup Status: COMPLETED - CASE CLOSED				
US GAS	401 N TUSTIN AVE	NE 1/4 - 1/2 (0.272 mi.)	J64	211
Cleanup Status: COMPLETED - CASE CLOSED				
SHELL OIL PRODUCTS U	401 N. TUSTIN AVENUE	NE 1/4 - 1/2 (0.272 mi.)	J65	245
Cleanup Status: COMPLETED - CASE CLOSED				
AMERICAN RED CROSS	601 N GOLDEN CIRCLE	N 1/4 - 1/2 (0.331 mi.)	L68	248
Cleanup Status: COMPLETED - CASE CLOSED				
ENERGY & ENVIRONMENT	8001 IRVINE BLVD	ENE 1/4 - 1/2 (0.375 mi.)	M70	253

EXECUTIVE SUMMARY

Cleanup Status: COMPLETED - CASE CLOSED

MOBIL #18-LW8 **17241 IRVINE** **NE 1/4 - 1/2 (0.387 mi.)** **M71** **260**

Cleanup Status: COMPLETED - CASE CLOSED

SANTA ANA FIRE STATI **1688 EAST 4TH STREET** **WNW 1/4 - 1/2 (0.422 mi.)** **72** **264**

Cleanup Status: COMPLETED - CASE CLOSED

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there are 5 DRYCLEANERS sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SNOW WHITE DRY CLEAN Database: DRYCLEANERS, Date of Government Version: 08/06/2020 EPA Id: CAL000269149	2031 E FIRST ST STE	NNW 0 - 1/8 (0.048 mi.)	C16	37
NEW CLEANERS Database: DRYCLEANERS, Date of Government Version: 08/06/2020 Database: DRYCLEAN SOUTH COAST, Date of Government Version: 08/19/2020 EPA Id: CAL000310998	2031 E 1ST ST #A1	NNW 0 - 1/8 (0.048 mi.)	C17	37
PERFECT CLEANERS, LE Database: DRYCLEAN SOUTH COAST, Date of Government Version: 08/19/2020	2031 E FIRST ST	NNW 0 - 1/8 (0.048 mi.)	C18	39
SNOWWHITE CLEANERS Database: DRYCLEAN SOUTH COAST, Date of Government Version: 08/19/2020	2031 E 1ST ST #A1	NNW 0 - 1/8 (0.048 mi.)	C19	39
NEW CLEANERS Database: DRYCLEANERS, Date of Government Version: 08/06/2020 EPA Id: CAL000342036	2031 E 1ST ST STE A1	NNW 0 - 1/8 (0.048 mi.)	C22	43

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 4 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SANTA ANA HONDA Reg Id: 083002758T	2114	N 0 - 1/8 (0.009 mi.)	A5	11
ANAHEIM STATIONS Reg Id: 083001306T	2002 01ST	WNW 0 - 1/8 (0.099 mi.)	D24	47
SHELL SERVICE STATIO Reg Id: 083000867T	401 TUSTIN	NE 1/4 - 1/2 (0.252 mi.)	J63	210
MOBIL #18-LW8 Reg Id: 083002544T	17241 IRVINE	NE 1/4 - 1/2 (0.387 mi.)	M71	260

EXECUTIVE SUMMARY

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 08/17/2020 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EECO EPA Id: CAD008256349 Cleanup Status: CLOSED	1441 EAST CHESTNUT A	WSW 1/2 - 1 (0.523 mi.)	N73	268

PROC: A listing of certified processors.

A review of the PROC list, as provided by EDR, and dated 09/08/2020 has revealed that there is 1 PROC site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DUBITEC AMERICA INC Cert Id: PR166940.001 Reg Id: 166940	2000 E 4TH ST	NNW 1/8 - 1/4 (0.180 mi.)	36	80

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VISTA SANTA FE TRANS	250 N GOLDEN CIRCLE	NNW 0 - 1/8 (0.109 mi.)	27	67

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and

EXECUTIVE SUMMARY

operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

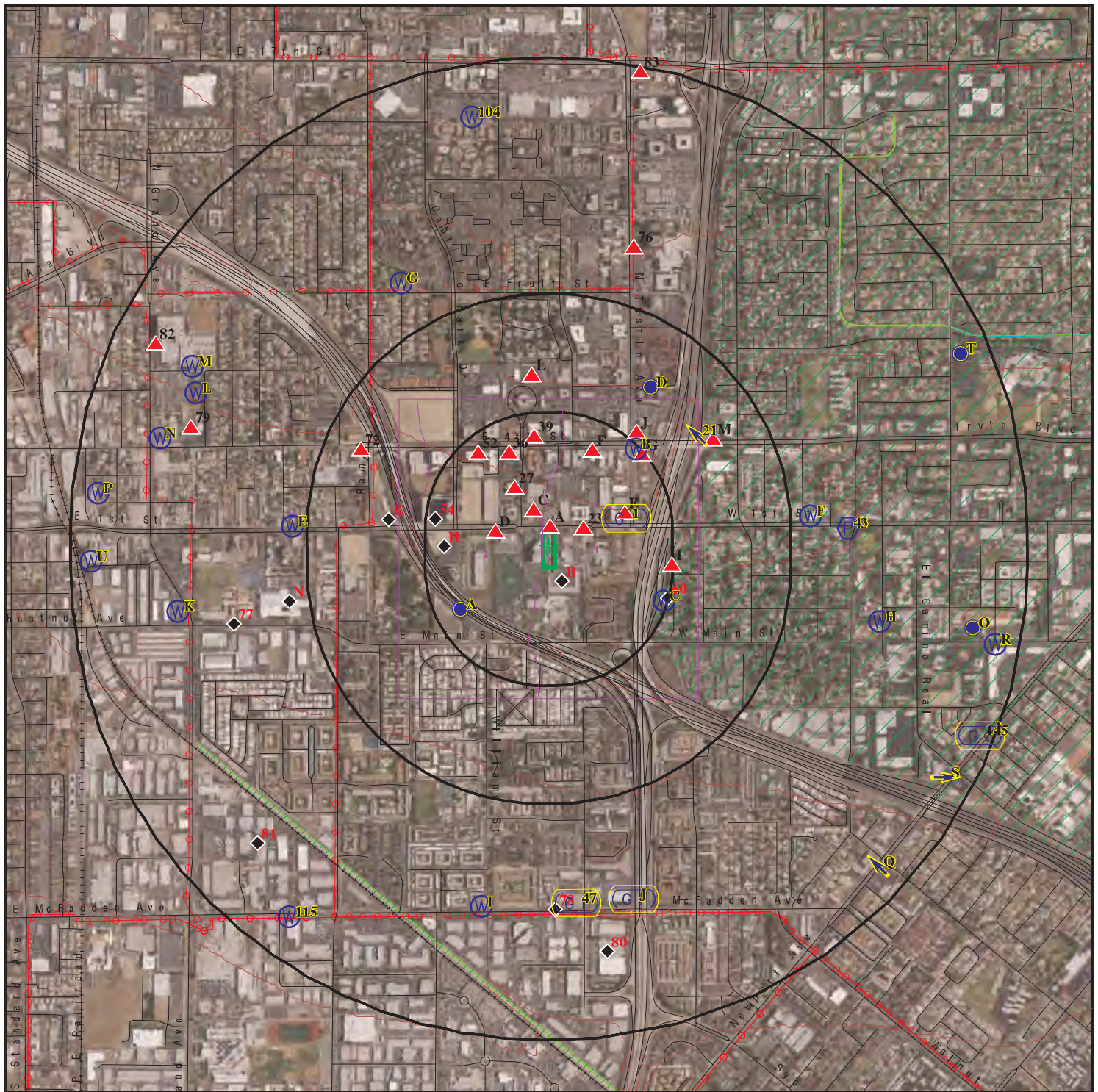
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SNOWWHITE CLEANERS	2031 E 1ST ST	NNW 0 - 1/8 (0.048 mi.)	C21	43

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 6 records.

<u>Site Name</u>	<u>Database(s)</u>
ARCO #0206	LUST, HIST CORTESE
HONEYWELL	LUST, HIST CORTESE
LEWIS CLEANERS	DRYCLEANERS
DANNY'S CLEANERS	DRYCLEANERS
INTERSTATE ENVIRONMENTAL SERVICES	LUST
ARCO	LUST, HIST UST

OVERVIEW MAP - 6308387.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

0 1/4 1/2 1 Miles

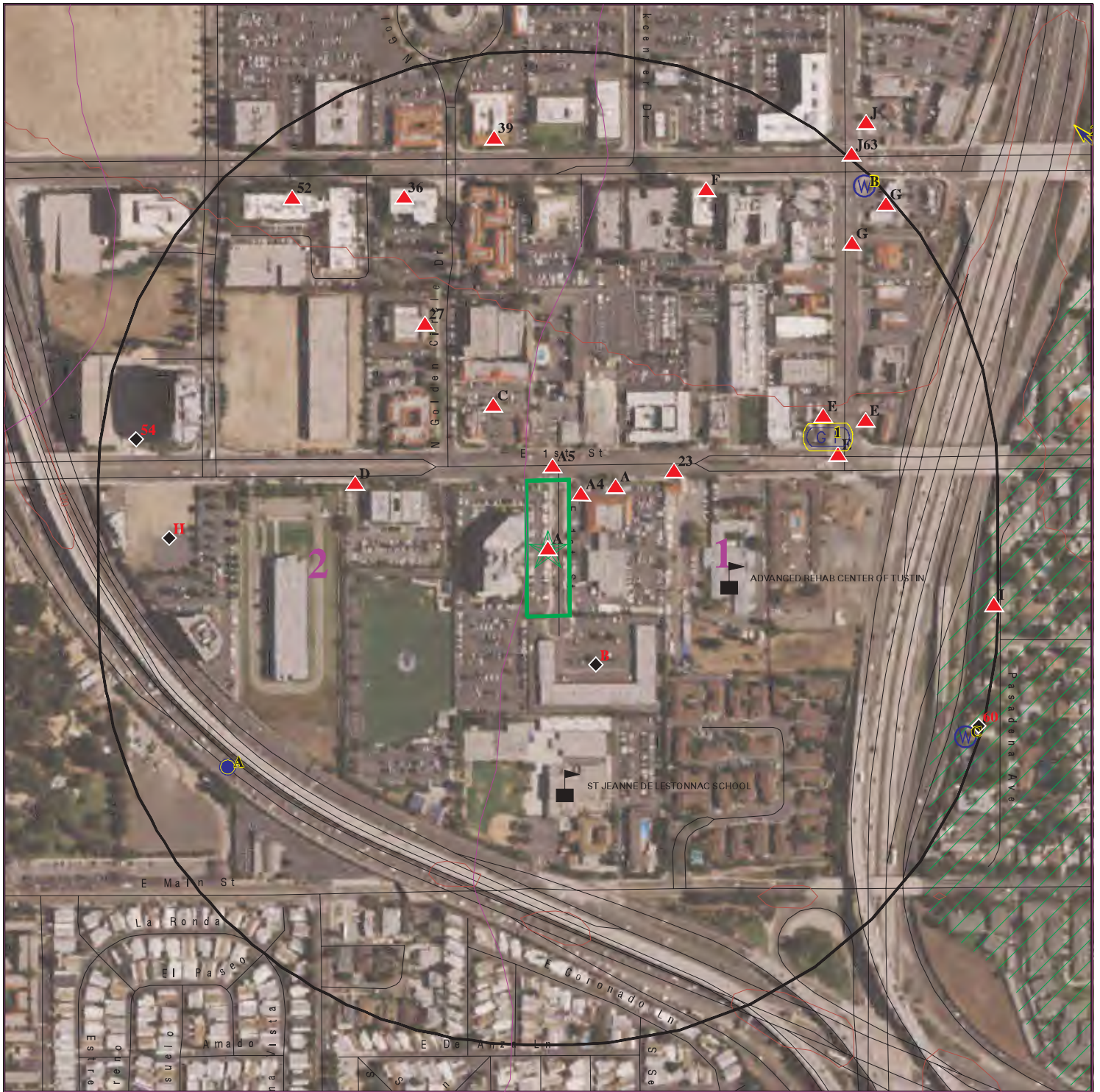


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 2020 E First Avenue
ADDRESS: 2020 E First Avenue
SANTA ANA CA 92705
LAT/LONG: 33.744932 / 117.837168

CLIENT: Partner Engineering and Science, Inc.
CONTACT: Krystel Dimmeler
INQUIRY #: 6308387.2s
DATE: December 21, 2020 9:50 am

DETAIL MAP - 6308387.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 2020 E First Avenue
ADDRESS: 2020 E First Avenue
SANTA ANA CA 92705
LAT/LONG: 33.744932 / 117.837168

CLIENT: Partner Engineering and Science, Inc.
CONTACT: Krystel Dimmeler
INQUIRY #: 6308387.2s
DATE: December 21, 2020 9:52 am

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	1	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		2	4	NR	NR	NR	6
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR	1.000		0	0	1	10	NR	11
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		3	6	8	NR	NR	17

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	5	NR	NR	NR	6
AST	0.250	1	0	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		0	3	NR	NR	NR	3
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		2	3	NR	NR	NR	5
HIST UST	0.250		3	11	NR	NR	NR	14
CERS TANKS	0.250		0	2	NR	NR	NR	2
CA FID UST	0.250		3	2	NR	NR	NR	5
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
Orange Co. Industrial Site	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		9	9	NR	NR	NR	18
FUDS	1.000		0	0	1	0	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		1	3	6	NR	NR	10

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		5	0	NR	NR	NR	5
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		2	0	2	NR	NR	4
HWP	1.000		0	0	0	1	NR	1
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	1	0	NR	NR	1
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
HWTS	TP	1	NR	NR	NR	NR	NR	1

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

- Totals --		3	33	49	18	12	0	115

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1
Target
Property **URS**
 2020 E 1ST ST
 SANTA ANA, CA 92705

FINDS **1023293873**
 N/A

Site 1 of 11 in cluster A

Actual: **FINDS:**
135 ft. Registry ID: 110065855195

Click Here:

Environmental Interest/Information System:
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

A2
Target
Property **KOLL MANAGEMENT SVCS**
 2020 E FIRST ST
 SANTA ANA, CA 92707

HWTS **S124807219**
 N/A

Site 2 of 11 in cluster A

Actual: **HWTS:**
135 ft. Name: KOLL MANAGEMENT SVCS
 Address: 2020 E FIRST ST
 Address 2: Not reported
 City,State,Zip: SANTA ANA, CA 927070000
 EPA ID: CAL000138443
 Inactive Date: 06/30/1998
 Create Date: 08/04/1995
 Last Act Date: 04/27/1999
 Mailing Name: Not reported
 Mailing Address: 201 SANDPOINTE AVE STE 440
 Mailing Address 2: Not reported
 Mailing City,State,Zip: SANTA ANA, CA 927075742
 Owner Name: KOLL MANAGEMENT SVC
 Owner Address: 201 SANDPOINTE AVE STE 440
 Owner Address 2: Not reported
 Owner City,State,Zip: SANTA ANA, CA 927075742
 Contact Name: KEN COGLIANO-BLDG ENGIN
 Contact Address: INACT PER 98VQ FINAL NOTICE
 Contact Address 2: - BATCH 4/27
 City,State,Zip: SANTA ANA, CA 927075742

A3
Target
Property **URS**
 2020 E 1ST ST
 SANTA ANA, CA 92705

AST **A100425662**
 N/A

Site 3 of 11 in cluster A

Actual: **AST:**
135 ft. Name: URS
 Address: 2020 E 1ST ST
 City/Zip: SANTA ANA,92705
 Certified Unified Program Agencies: Not reported
 Owner: Not reported
 Total Gallons: Not reported
 CERSID: 10343551
 Facility ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

URS (Continued)

A100425662

Business Name: URS
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

A4
NNE
< 1/8
0.007 mi.
36 ft.

CHARGER #10
2002 W 001ST ST
SANTA ANA, CA 92703
Site 4 of 11 in cluster A

CA FID UST **S101619760**
N/A

Relative:
Higher

Actual:
137 ft.

CA FID UST:
Facility ID: 30017870
Regulated By: UTNKA
Regulated ID: 00043938
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7148359700
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: SANTA ANA 92703
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A5
North
< 1/8
0.009 mi.
45 ft.
SANTA ANA HONDA
2114
SANTA ANA, CA 92707
Site 5 of 11 in cluster A

LUST
HIST CORTESE
S102436423
N/A

Relative:
Higher

Actual:
137 ft.

LUST REG 8:

Name:	SANTA ANA HONDA
Address:	2114 1ST ST
City:	SANTA ANA
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Preliminary site assessment underway
Case Number:	083002758T
Local Case Num:	Not reported
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	TUSTIN
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Not reported
How Stopped:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Global ID:	T0605901901
How Stopped Date:	Not reported
Enter Date:	12/19/1995
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	1/1/1965
Discover Date:	10/18/1995
Enforcement Date:	Not reported
Close Date:	6/5/1996
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	12/19/1995
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.74542483
Longitude:	-117.8378357
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	JB
Lead Agency:	Local Agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA HONDA (Continued)

S102436423

Local Agency: Santa Ana, Orange County
Hydr Basin #: COASTAL PLAIN OF ORA
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: WASTE OIL ALSO

HIST CORTESE:
edr_fname: SANTA ANA HONDA
edr_fadd1: 2114
City,State,Zip: SANTA ANA, CA 92707
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083002758T

A6
NE
< 1/8
0.027 mi.
142 ft.
Relative:
Higher
Actual:
137 ft.

HONDA SANTA ANA
2114 E FIRST STREET
SANTA ANA, CA 92705
Site 6 of 11 in cluster A

HIST UST
NPDES
CERS
HWTS
S112926601
N/A

HIST UST:
Name: HONDA SANTA ANA
Address: 2114 E FIRST STREET
City,State,Zip: SANTA ANA, CA 92705
File Number: 0002E642
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002E642.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

NPDES:
Name: FIRST POINT
Address: 2114 E FIRST STREET
City,State,Zip: SANTA ANA, CA 92705
Facility Status: Active
NPDES Number: CAS000002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HONDA SANTA ANA (Continued)

S112926601

Region: 8
Agency Number: 0
Regulatory Measure ID: 501026
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 8 30C384879
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 10/11/2018
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 430 E State St Suite 100
Discharge Name: Pacific West Communities Inc
Discharge City: Eagle
Discharge State: Idaho
Discharge Zip: 83616
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

Name: FIRST POINT
Address: 2114 E FIRST STREET
City,State,Zip: SANTA ANA, CA 92705
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 8 30C384879
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active
Status Date: 10/11/2018
Operator Name: Pacific West Communities Inc
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

CERS:

Name: FIRST POINT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HONDA SANTA ANA (Continued)

S112926601

Address: 2114 E FIRST STREET
City,State,Zip: SANTA ANA, CA 92705
Site ID: 532022
CERS ID: 867668
CERS Description: Construction Storm Water

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Pacific West Communities Inc
Entity Title: Operator
Affiliation Address: 430 E State St Suite 100
Affiliation City: Eagle
Affiliation State: ID
Affiliation Country: Not reported
Affiliation Zip: 83616
Affiliation Phone: Not reported

HWTS:
Name: HONDA SANTA ANA
Address: 2114 E FIRST STREET
Address 2: Not reported
City,State,Zip: SANTA ANA, CA 927050000
EPA ID: CAL000047911
Inactive Date: 01/01/1995
Create Date: 04/02/1991
Last Act Date: 06/28/2001
Mailing Name: Not reported
Mailing Address: 2114 E FIRST STREET
Mailing Address 2: Not reported
Mailing City,State,Zip: SANTA ANA, CA 927050000
Owner Name: JACKSON BOB AND SON I
Owner Address: --
Owner Address 2: Not reported
Owner City,State,Zip: --, 99 --
Contact Name: INACT UNDELVR SURVEY 12-21-94
Contact Address: --
Contact Address 2: Not reported
City,State,Zip: --, 99 --

A7
NE
< 1/8
0.027 mi.
142 ft.
Relative:
Higher
Actual:
137 ft.

HONDA SANTA ANA
2114 E FIRST ST
SANTA ANA, CA 92705
Site 7 of 11 in cluster A

CA FID UST
RCRA NonGen / NLR
FINDS
ECHO
1000472878
CAD982434532

CA FID UST:
Facility ID: 30017841
Regulated By: UTNKA
Regulated ID: 00020281
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7145473555
Mail To: Not reported
Mailing Address: 2114 E 001ST ST
Mailing Address 2: Not reported
Mailing City,St,Zip: SANTA ANA 92705
Contact: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HONDA SANTA ANA (Continued)

1000472878

Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

RCRA NonGen / NLR:

Date Form Received by Agency:	1990-10-23 00:00:00.0
Handler Name:	HONDA SANTA ANA
Handler Address:	2114 E FIRST ST
Handler City,State,Zip:	SANTA ANA, CA 92705
EPA ID:	CAD982434532
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	2114 E FIRST ST
Contact City,State,Zip:	SANTA ANA, CA 92705
Contact Telephone:	714-547-3555
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4
Mailing Address:	E FIRST ST
Mailing City,State,Zip:	SANTA ANA, CA 92705
Owner Name:	BOB JACKSON
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HONDA SANTA ANA (Continued)

1000472878

2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2000-09-15 17:30:20.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BOB JACKSON
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HONDA SANTA ANA (Continued)

1000472878

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1990-10-23 00:00:00.0
Handler Name: HONDA SANTA ANA
Federal Waste Generator Description: Not a generator, verified
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS:

Registry ID: 110002811137

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000472878
Registry ID: 110002811137
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002811137>
Name: HONDA SANTA ANA
Address: 2114 E FIRST ST
City,State,Zip: SANTA ANA, CA 92705

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

A8
NE
< 1/8
0.027 mi.
142 ft.
Site 8 of 11 in cluster A

Relative:
Higher

Actual:
137 ft.

LUST:

Name: SANTA ANA HONDA
Address: 2114 E 1ST ST
City,State,Zip: SANTA ANA, CA 92707
Lead Agency: SANTA ANA, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901901
Global Id: T0605901901
Latitude: 33.744931
Longitude: -117.836473
Status: Completed - Case Closed
Status Date: 06/05/1996
Case Worker: CC
RB Case Number: 083002758T
Local Agency: SANTA ANA, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0605901901
Contact Type: Local Agency Caseworker
Contact Name: CHRISTOPHER CIRAULO
Organization Name: SANTA ANA, CITY OF
Address: 1439 S. BROADWAY
City: SANTA ANA
Email: cciraulo@santa-ana.org
Phone Number: Not reported

Global Id: T0605901901
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: valerie.jahn-bull@waterboards.ca.gov
Phone Number: 9517824903

LUST:

Global Id: T0605901901
Action Type: ENFORCEMENT
Date: 05/28/1996
Action: Closure/No Further Action Letter

Global Id: T0605901901
Action Type: Other
Date: 10/19/1995
Action: Leak Reported

Global Id: T0605901901

LUST
SWEEPS UST
HIST UST
Orange Co. Industrial Site
Cortese
CERS

U001578247
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HONDA SANTA ANA (Continued)

U001578247

Action Type: ENFORCEMENT
Date: 02/22/2006
Action: * No Action

Global Id: T0605901901
Action Type: Other
Date: 10/18/1995
Action: Leak Discovery

LUST:

Global Id: T0605901901
Status: Open - Case Begin Date
Status Date: 10/18/1995

Global Id: T0605901901
Status: Completed - Case Closed
Status Date: 06/05/1996

SWEEPS UST:

Name: HONDA SANTA ANA
Address: 2114 E 1ST ST
City: SANTA ANA
Status: Not reported
Comp Number: 261
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-020-000261-000001
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 2

Name: HONDA SANTA ANA
Address: 2114 E 1ST ST
City: SANTA ANA
Status: Not reported
Comp Number: 261
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-020-000261-000002
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: OIL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HONDA SANTA ANA (Continued)

U001578247

STG: WASTE
Content: WASTE OIL
Number Of Tanks: Not reported

HIST UST:

Name: HONDA SANTA ANA
Address: 2114 E 1ST ST
City,State,Zip: SANTA ANA, CA 92705
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000020281
Facility Type: Other
Other Type: AUTO. DEALER
Contact Name: RON JACKSON
Telephone: 7145473555
Owner Name: BOB JACKSON & SON INC. DBA HON
Owner Address: 2114 E. FIRST STREET
Owner City,St,Zip: SANTA ANA, CA 92705
Total Tanks: 0002

Tank Num: 001
Container Num: #1
Year Installed: 1984
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: #2
Year Installed: 1984
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Orange Co. Industrial Site:

Name: HONDA SANTA ANA
Address: 2114 E 1ST ST
City,State,Zip: SANTA ANA, CA 92705
Case ID: 97IC053
Record ID: RO0000625
Current Status: CLOSED 6/23/1998
Closure Type: Closure certification issued
Released Chemical: WASTE (OR SLOP) OIL, ORGANIC COMPOUNDS

CORTESE:

Name: SANTA ANA HONDA
Address: 2114 E 1ST ST
City,State,Zip: SANTA ANA, CA 92707
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0605901901

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HONDA SANTA ANA (Continued)

U001578247

Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	SANTA ANA HONDA
Address:	2114 E 1ST ST
City,State,Zip:	SANTA ANA, CA 92707
Site ID:	213785
CERS ID:	T0605901901
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	CHRISTOPHER CIRAULO - SANTA ANA, CITY OF
Entity Title:	Not reported
Affiliation Address:	1439 S. BROADWAY
Affiliation City:	SANTA ANA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	VALERIE JAHN-BULL - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 MAIN STREET, SUITE 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	9517824903

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
A9	FIRST POINT APARTMENTS	RCRA NonGen / NLR	1025843098
NE	2114 E. 1ST STREET		CAC003022711
< 1/8	SANTA ANA, CA 92705		
0.027 mi.			
142 ft.	Site 9 of 11 in cluster A		
Relative:	RCRA NonGen / NLR:		
Higher	Date Form Received by Agency:	2019-07-05 00:00:00.0	
	Handler Name:	FIRST POINT APARTMENTS	
Actual:	Handler Address:	2114 E. 1ST STREET	
137 ft.	Handler City,State,Zip:	SANTA ANA, CA 92705	
	EPA ID:	CAC003022711	
	Contact Name:	GENE BROUSSARD	
	Contact Address:	430 EAST STATE STREET	
	Contact City,State,Zip:	EAGLE, ID 83616	
	Contact Telephone:	818-380-2600	
	Contact Fax:	Not reported	
	Contact Email:	JOE.DANIELS@SINANIAN.COM	
	Contact Title:	Not reported	
	EPA Region:	09	
	Land Type:	Not reported	
	Federal Waste Generator Description:	Not a generator, verified	
	Non-Notifier:	Not reported	
	Biennial Report Cycle:	Not reported	
	Accessibility:	Not reported	
	Active Site Indicator:	Handler Activities	
	State District Owner:	Not reported	
	State District:	Not reported	
	Mailing Address:	430 EAST STATE STREET	
	Mailing City,State,Zip:	EAGLE, ID 83616	
	Owner Name:	SANTA ANA DEVELOPMENT PARTNERS, LLC	
	Owner Type:	Other	
	Operator Name:	GENE BROUSSARD	
	Operator Type:	Other	
	Short-Term Generator Activity:	No	
	Importer Activity:	No	
	Mixed Waste Generator:	No	
	Transporter Activity:	No	
	Transfer Facility Activity:	No	
	Recycler Activity with Storage:	No	
	Small Quantity On-Site Burner Exemption:	No	
	Smelting Melting and Refining Furnace Exemption:	No	
	Underground Injection Control:	No	
	Off-Site Waste Receipt:	No	
	Universal Waste Indicator:	Yes	
	Universal Waste Destination Facility:	Yes	
	Federal Universal Waste:	No	
	Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site Converter Treatment storage and Disposal Facility:	Not reported	
	Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site State-Reg Handler:	---	
	Federal Facility Indicator:	Not reported	
	Hazardous Secondary Material Indicator:	N	
	Sub-Part K Indicator:	Not reported	
	Commercial TSD Indicator:	No	
	Treatment Storage and Disposal Type:	Not reported	
	2018 GPRA Permit Baseline:	Not on the Baseline	
	2018 GPRA Renewals Baseline:	Not on the Baseline	
	Permit Renewals Workload Universe:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRST POINT APARTMENTS (Continued)

1025843098

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-07-29 17:12:23.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SANTA ANA DEVELOPMENT PARTNERS, LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	430 EAST STATE STREET
Owner/Operator City,State,Zip:	EAGLE, ID 83616
Owner/Operator Telephone:	818-380-2600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENE BROUSSARD
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	430 EAST STATE STREET
Owner/Operator City,State,Zip:	EAGLE, ID 83616
Owner/Operator Telephone:	818-380-2600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRST POINT APARTMENTS (Continued)

1025843098

Historic Generators:

Receive Date: 2019-07-05 00:00:00.0
Handler Name: FIRST POINT APARTMENTS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**A10
NE
< 1/8
0.027 mi.
142 ft.**

**FIRST POINT APARTMENTS
2114 E. FIRST ST.
SANTA ANA, CA 92705**

RCRA NonGen / NLR

**1026168056
CAC003068101**

Site 10 of 11 in cluster A

**Relative:
Higher**

**Actual:
137 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency: 2020-05-26 00:00:00.0
Handler Name: FIRST POINT APARTMENTS
Handler Address: 2114 E. FIRST ST.
Handler City,State,Zip: SANTA ANA, CA 92705
EPA ID: CAC003068101
Contact Name: GENE BROUSSARD
Contact Address: 430 E. STATE ST.
Contact City,State,Zip: EAGLE, ID 83616
Contact Telephone: 818-380-2600
Contact Fax: Not reported
Contact Email: RICK.VIRGINIA@SINANIAN.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 430 E. STATE ST.
Mailing City,State,Zip: EAGLE, ID 83616
Owner Name: FIRST POINT APARTMENTS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRST POINT APARTMENTS (Continued)

1026168056

Owner Type:	Other
Operator Name:	GENE BROUSSARD
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-06-08 20:36:25.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRST POINT APARTMENTS (Continued)

1026168056

Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENE BROUSSARD
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	430 E. STATE ST.
Owner/Operator City,State,Zip:	EAGLE, ID 83616
Owner/Operator Telephone:	818-380-2600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	FIRST POINT APARTMENTS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	430 E. STATE ST.
Owner/Operator City,State,Zip:	EAGLE, ID 83616
Owner/Operator Telephone:	818-380-2600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-05-26 00:00:00.0
Handler Name:	FIRST POINT APARTMENTS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	53111
NAICS Description:	LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

A11 NE < 1/8 0.027 mi. 142 ft.	SANTA ANA PACIFIC ASSOCIATED II 2114 E. 1ST SANTA ANA, CA 92705	UST	U004316760 N/A
Relative: Higher	ORANGE CO. UST: Name: SANTA ANA PACIFIC ASSOCIATED II Address: 2114 E. 1ST City,State,Zip: SANTA ANA 92705 Facility ID: NOT AVAILABLE		
B12 SSE < 1/8 0.032 mi. 171 ft.	AECOM 2110 EAST 1ST STREET SANTA ANA, CA 92705	RCRA NonGen / NLR	1024775384 CAC002995313
Relative: Lower	RCRA NonGen / NLR: Date Form Received by Agency: 2019-01-05 00:00:00.0 Handler Name: AECOM Handler Address: 2110 EAST 1ST STREET Handler City,State,Zip: SANTA ANA, CA 92705 EPA ID: CAC002995313 Contact Name: GALEN COOTER Contact Address: 999 WEST TOWN AND COUNTRY RD Contact City,State,Zip: ORANGE, CA 92868 Contact Telephone: 805-452-3523 Contact Fax: Not reported Contact Email: GALEN.COOTER@AECOM.COM Contact Title: Not reported EPA Region: 09 Land Type: Not reported Federal Waste Generator Description: Not a generator, verified Non-Notifier: Not reported Biennial Report Cycle: Not reported Accessibility: Not reported Active Site Indicator: Handler Activities State District Owner: Not reported State District: Not reported Mailing Address: 999 WEST TOWN AND COUNTRY RD Mailing City,State,Zip: ORANGE, CA 92868 Owner Name: AECOM SPERRY Owner Type: Other Operator Name: GALEN COOTER Operator Type: Other Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No Underground Injection Control: No Off-Site Waste Receipt: No Universal Waste Indicator: Yes Universal Waste Destination Facility: Yes Federal Universal Waste: No Active Site Fed-Req Treatment Storage and Disposal Facility: Not reported		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AECOM (Continued)

1024775384

Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-02-22 19:39:35.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GALEN COOTER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	999 WEST TOWN AND COUNTRY RD
Owner/Operator City,State,Zip:	ORANGE, CA 92868
Owner/Operator Telephone:	805-452-3523
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AECOM (Continued)

1024775384

Owner/Operator Name: AECOM SPERRY
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 515 SOUTH FLOWER STREET
Owner/Operator City,State,Zip: LOS ANGELES, CA 90071
Owner/Operator Telephone: 805-452-3523
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2019-01-05 00:00:00.0
Handler Name: AECOM
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 621511
NAICS Description: MEDICAL LABORATORIES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

**B13
SSE
< 1/8
0.032 mi.
171 ft.**

**AHLC SANTA ANA FAMILY, A CALIFORNIA LIMITED PARTNE
2110 E 1ST ST
SANTA ANA, CA 92705**

RCRA NonGen / NLR

**1025832467
CAC003012035**

Site 2 of 4 in cluster B

**Relative:
Lower
Actual:
133 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 2019-04-25 00:00:00.0
Handler Name: AHLC SANTA ANA FAMILY, A CALIFORNIA LIMITED PARTNERSHIP
Handler Address: 2110 E 1ST ST
Handler City,State,Zip: SANTA ANA, CA 92705
EPA ID: CAC003012035
Contact Name: KIMBERLY CALCIA
Contact Address: 16501 VENTURA BLVD, SUITE 400
Contact City,State,Zip: ENCINO, CA 91436
Contact Telephone: 818-697-4919
Contact Fax: Not reported
Contact Email: KCALCIA@AMGLAND.COM
Contact Title: Not reported
EPA Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AHLC SANTA ANA FAMILY, A CALIFORNIA LIMITED PARTNERSHIP (Continued)

1025832467

Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	16501 VENTURA BLVD, SUITE 400
Mailing City,State,Zip:	ENCINO, CA 91436
Owner Name:	AHLC SANTA ANA FAMILY, A CA LP
Owner Type:	Other
Operator Name:	KIMBERLY CALCIA
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AHLC SANTA ANA FAMILY, A CALIFORNIA LIMITED PARTNERSHIP (Continued)

1025832467

Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 2019-06-27 11:34:08.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: KIMBERLY CALCIA
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 16501 VENTURA BLVD, SUITE 400
Owner/Operator City,State,Zip: ENCINO, CA 91436
Owner/Operator Telephone: 818-697-4919
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: AHLC SANTA ANA FAMILY, A CA LP
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 16501 VENTURA BLVD, SUITE 400
Owner/Operator City,State,Zip: ENCINO, CA 91436
Owner/Operator Telephone: 818-697-4919
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2019-04-25 00:00:00.0
Handler Name: AHLC SANTA ANA FAMILY, A CALIFORNIA LIMITED PARTNERSHIP
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AHLC SANTA ANA FAMILY, A CALIFORNIA LIMITED PARTNERSHIP (Continued)

1025832467

Facility Has Received Notices of Violations:

Violations:

No Violations Found

Evaluation Action Summary:

Evaluations:

No Evaluations Found

B14
SSE
< 1/8
0.032 mi.
171 ft.

AECOM
2110 EAST FIRST STREET
SANTA ANA, CA 92705

RCRA NonGen / NLR

1024761341
CAC002981201

Site 3 of 4 in cluster B

Relative:
Lower

Actual:
133 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:

2018-09-20 00:00:00.0

Handler Name:

AECOM

Handler Address:

2110 EAST FIRST STREET

Handler City,State,Zip:

SANTA ANA, CA 92705

EPA ID:

CAC002981201

Contact Name:

BRIAN BERNARD

Contact Address:

999 WEST TOWN AND COUNTRY RD

Contact City,State,Zip:

ORANGE, CA 92868

Contact Telephone:

714-448-9052

Contact Fax:

Not reported

Contact Email:

BRIAN.BERNARD@AECOM.COM

Contact Title:

Not reported

EPA Region:

09

Land Type:

Not reported

Federal Waste Generator Description:

Not a generator, verified

Non-Notifier:

Not reported

Biennial Report Cycle:

Not reported

Accessibility:

Not reported

Active Site Indicator:

Handler Activities

State District Owner:

Not reported

State District:

Not reported

Mailing Address:

999 WEST TOWN AND COUNTRY RD

Mailing City,State,Zip:

ORANGE, CA 92868

Owner Name:

AECOM LONG

Owner Type:

Other

Operator Name:

BRIAN BERNARD

Operator Type:

Other

Short-Term Generator Activity:

No

Importer Activity:

No

Mixed Waste Generator:

No

Transporter Activity:

No

Transfer Facility Activity:

No

Recycler Activity with Storage:

No

Small Quantity On-Site Burner Exemption:

No

Smelting Melting and Refining Furnace Exemption:

No

Underground Injection Control:

No

Off-Site Waste Receipt:

No

Universal Waste Indicator:

Yes

Universal Waste Destination Facility:

Yes

Federal Universal Waste:

No

Active Site Fed-Reg Treatment Storage and Disposal Facility:

Not reported

Active Site Converter Treatment storage and Disposal Facility:

Not reported

Active Site State-Reg Treatment Storage and Disposal Facility:

Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AECOM (Continued)

1024761341

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-10-01 18:38:32.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	AECOM LONG
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	515 S FLOWER STREET
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90071
Owner/Operator Telephone:	213-593-8000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BRIAN BERNARD
Legal Status:	Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AECOM (Continued)

1024761341

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	999 WEST TOWN AND COUNTRY RD
Owner/Operator City,State,Zip:	ORANGE, CA 92868
Owner/Operator Telephone:	714-448-9052
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2018-09-20 00:00:00.0
Handler Name:	AECOM
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B15
SSE
< 1/8
0.032 mi.
171 ft.

AHLC SANTA ANA FAMILY, A CALIFORNIA LIMITED PARTNE
2110 E 1ST ST
SANTA ANA, CA 92705

RCRA NonGen / NLR

1024775257
CAC002995184

Site 4 of 4 in cluster B

Relative:
Lower

RCRA NonGen / NLR:

Actual:
133 ft.

Date Form Received by Agency:	2019-01-04 00:00:00.0
Handler Name:	AHLC SANTA ANA FAMILY, A CALIFORNIA LIMITED PARTNERSHIP
Handler Address:	2110 E 1ST ST
Handler City,State,Zip:	SANTA ANA, CA 92705
EPA ID:	CAC002995184
Contact Name:	KIMBERLY CALCIA
Contact Address:	16501 VENTURA BLVD, SUITE 400
Contact City,State,Zip:	ENCINO, CA 91436
Contact Telephone:	818-697-4919
Contact Fax:	Not reported
Contact Email:	KCALICA@AMGLAND.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AHLC SANTA ANA FAMILY, A CALIFORNIA LIMITED PARTNERSHIP (Continued)

1024775257

Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	16501 VENTURA BLVD, SUITE 400
Mailing City,State,Zip:	ENCINO, CA 91436
Owner Name:	AHLC SANTA ANA FAMILY, A CA LP
Owner Type:	Other
Operator Name:	KIMBERLY CALCIA
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AHLC SANTA ANA FAMILY, A CALIFORNIA LIMITED PARTNERSHIP (Continued)

1024775257

Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 2019-02-22 19:39:32.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: AHLC SANTA ANA FAMILY, A CA LP
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 16501 VENTURA BLVD, SUITE 400
Owner/Operator City,State,Zip: ENCINO, CA 91436
Owner/Operator Telephone: 818-697-4919
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: KIMBERLY CALCIA
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 16501 VENTURA BLVD, SUITE 400
Owner/Operator City,State,Zip: ENCINO, CA 91436
Owner/Operator Telephone: 818-697-4919
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2019-01-04 00:00:00.0
Handler Name: AHLC SANTA ANA FAMILY, A CALIFORNIA LIMITED PARTNERSHIP
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AHLC SANTA ANA FAMILY, A CALIFORNIA LIMITED PARTNERSHIP (Continued)

1024775257

Facility Has Received Notices of Violations:

Violations:

No Violations Found

Evaluation Action Summary:

Evaluations:

No Evaluations Found

C16
NNW
< 1/8
0.048 mi.
255 ft.
Relative:
Higher
Actual:
138 ft.

SNOW WHITE DRY CLEANERS INC
2031 E FIRST ST STE A1
SANTA ANA, CA 92705
Site 1 of 7 in cluster C

DRYCLEANERS **S121700911**
N/A

DRYCLEANERS:

Name: SNOW WHITE DRY CLEANERS INC
Address: 2031 E FIRST ST STE A1
City,State,Zip: SANTA ANA, CA 92705
EPA Id: CAL000269149
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 04/16/2003
Facility Active: No
Inactive Date: 06/30/2007
Facility Addr2: Not reported
Owner Name: SNOW WHITE DRY CLEANERS INC
Owner Address: 2031 E FIRST ST STE A1
Owner Address 2: Not reported
Owner Telephone: 7145589177
Contact Name: DONGYUN PARK
Contact Address: 7 LEATHERWOOD WAY
Contact Address 2: Not reported
Contact Telephone: 9494225926
Mailing Name: Not reported
Mailing Address 1: 2031 E FIRST ST STE A1
Mailing Address 2: Not reported
Mailing City: SANTA ANA
Mailing State: CA
Mailing Zip: 92705
Owner Fax: Not reported
Region Code: 4

C17
NNW
< 1/8
0.048 mi.
255 ft.
Relative:
Higher
Actual:
138 ft.

NEW CLEANERS
2031 E 1ST ST #A1
SANTA ANA, CA 92705
Site 2 of 7 in cluster C

DRYCLEANERS **S108541100**
N/A

DRYCLEAN SOUTH COAST:

Name: NEW CLEANERS
Address: 2031 E 1ST ST #A1
City,State,Zip: SANTA ANA, CA 92705
Facility ID: 149374
Application Number: 460658

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW CLEANERS (Continued)

S108541100

Permit Number: F85656
Status: S
Representative Name: JOHN KIL
Representative Telephone: 714 5589177
Permit Status: INACTIVE
BCAT Number: 000233
BCAT Description: DRY CLEANING EQUIP PETROLEUM SOLVENT
CCAT Number: Not reported
CCAT Description: Not reported
UTM East: 422.36999512
UTM North: 3734.0700684

Name: NEW CLEANERS
Address: 2031 E 1ST ST #A1
City,State,Zip: SANTA ANA, CA 92705
Facility ID: 159306
Application Number: 497542
Permit Number: G3054
Status: A
Representative Name: CHANG SONG IL
Representative Telephone: 714 5589177
Permit Status: ACTIVE
BCAT Number: 000233
BCAT Description: DRY CLEANING EQUIP PETROLEUM SOLVENT
CCAT Number: Not reported
CCAT Description: Not reported
UTM East: 422.36999512
UTM North: 3734.0700684

DRYCLEANERS:

Name: NEW CLEANERS
Address: 2031 E 1ST ST #A1
City,State,Zip: SANTA ANA, CA 92705
EPA Id: CAL000310998
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 08/28/2006
Facility Active: No
Inactive Date: 06/30/2008
Facility Addr2: Not reported
Owner Name: KIL & BU CO. INC
Owner Address: 2031E 1ST ST #A1
Owner Address 2: Not reported
Owner Telephone: 7145589177
Contact Name: ZHE BU
Contact Address: 2031 E 1ST ST #A1
Contact Address 2: Not reported
Contact Telephone: 7145589177
Mailing Name: Not reported
Mailing Address 1: 2031 E 1ST ST #A1
Mailing Address 2: Not reported
Mailing City: SANTA ANA
Mailing State: CA
Mailing Zip: 927050000
Owner Fax: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW CLEANERS (Continued)

S108541100

Region Code: 4

C18
NNW
< 1/8
0.048 mi.
255 ft.

PERFECT CLEANERS, LEE/YOUN/TAK ETAL
2031 E FIRST ST
SANTA ANA, CA 92705

DRYCLEANERS **S121699007**
N/A

Site 3 of 7 in cluster C

Relative:
Higher
Actual:
138 ft.

DRYCLEAN SOUTH COAST:

Name:	PERFECT CLEANERS, LEE/YOUN/TAK ETAL
Address:	2031 E FIRST ST
City,State,Zip:	SANTA ANA, CA 92705
Facility ID:	63101
Application Number:	175769
Permit Number:	D03959
Status:	O
Representative Name:	LEE YUN TAK
Representative Telephone:	714 5690510
Permit Status:	INACTIVE
BCAT Number:	000236
BCAT Description:	DRY CLEANING EQUIP FLUOROCARBON
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	0
UTM North:	0

C19
NNW
< 1/8
0.048 mi.
255 ft.

SNOWWHITE CLEANERS
2031 E 1ST ST #A1
SANTA ANA, CA 92705

DRYCLEANERS **S121699621**
N/A

Site 4 of 7 in cluster C

Relative:
Higher
Actual:
138 ft.

DRYCLEAN SOUTH COAST:

Name:	SNOWWHITE CLEANERS
Address:	2031 E 1ST ST #A1
City,State,Zip:	SANTA ANA, CA 92705
Facility ID:	79779
Application Number:	236956
Permit Number:	D34049
Status:	S
Representative Name:	BEHROUZ BANDARI
Representative Telephone:	714 8367575
Permit Status:	INACTIVE
BCAT Number:	000236
BCAT Description:	DRY CLEANING EQUIP FLUOROCARBON
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	423.1000061
UTM North:	3733.4399414
Name:	SNOWWHITE CLEANERS
Address:	2031 E 1ST ST #A1
City,State,Zip:	SANTA ANA, CA 92705
Facility ID:	79779
Application Number:	266022
Permit Number:	D51374

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SNOWWHITE CLEANERS (Continued)

S121699621

Status: S
Representative Name: BEHROUZ BANDARI
Representative Telephone: 714 8367575
Permit Status: INACT_NR
BCAT Number: 000234
BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number: Not reported
CCAT Description: Not reported
UTM East: 423.1000061
UTM North: 3733.4399414

Name: SNOWWHITE CLEANERS
Address: 2031 E 1ST ST #A1
City,State,Zip: SANTA ANA, CA 92705
Facility ID: 79779
Application Number: 413961
Permit Number: F60024
Status: S
Representative Name: BEHROUZ BANDARI
Representative Telephone: 714 8367575
Permit Status: INACTIVE
BCAT Number: 000233
BCAT Description: DRY CLEANING EQUIP PETROLEUM SOLVENT
CCAT Number: Not reported
CCAT Description: Not reported
UTM East: 423.1000061
UTM North: 3733.4399414

**C20
NNW
< 1/8
0.048 mi.
255 ft.**

**NEW CLEANERS
2031 E 1ST ST STE A1
SANTA ANA, CA 92705
Site 5 of 7 in cluster C**

RCRA NonGen / NLR

**1024822873
CAL000342036**

**Relative:
Higher**

RCRA NonGen / NLR:

**Actual:
138 ft.**

Date Form Received by Agency: 2009-04-09 00:00:00.0
Handler Name: NEW CLEANERS
Handler Address: 2031 E 1ST ST STE A1
Handler City,State,Zip: SANTA ANA, CA 92705-4040
EPA ID: CAL000342036
Contact Name: SONG IL CHANG
Contact Address: 2031 E 1ST ST STE A1
Contact City,State,Zip: SANTA ANA, CA 92705
Contact Telephone: 714-558-9177
Contact Fax: Not reported
Contact Email: SONGILCHANG@YAHOO.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 2031 E 1ST ST STE A1
Mailing City,State,Zip: SANTA ANA, CA 92705-4040

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW CLEANERS (Continued)

1024822873

Owner Name:	SONG IL CHANG
Owner Type:	Other
Operator Name:	SONG IL CHANG
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 20:31:14.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW CLEANERS (Continued)

1024822873

Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: SONG IL CHANG
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2031 E 1ST ST STE A1
Owner/Operator City,State,Zip: SANTA ANA, CA 92705-4040
Owner/Operator Telephone: 714-558-9177
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SONG IL CHANG
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2031 E 1ST ST STE A1
Owner/Operator City,State,Zip: SANTA ANA, CA 92705
Owner/Operator Telephone: 714-558-9177
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2009-04-09 00:00:00.0
Handler Name: NEW CLEANERS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 81232
NAICS Description: DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

C21
NNW
< 1/8
0.048 mi.
255 ft.

SNOWWHITE CLEANERS
2031 E 1ST ST
SANTA ANA, CA 92705

Site 6 of 7 in cluster C

EDR Hist Cleaner **1018808702**
N/A

Relative:
Higher

EDR Hist Cleaner

Actual:
138 ft.

Year:	Name:	Type:
1988	YOUN TAKE LEE	Drycleaning Plants, Except Rugs
1989	YOUN TAKE LEE	Drycleaning Plants, Except Rugs, NEC
1990	YOUN TAKE LEE	Drycleaning Plants, Except Rugs, NEC
1991	YOUN TAKE LEE	Drycleaning Plants, Except Rugs, NEC
1992	YOUN TAKE LEE	Drycleaning Plants, Except Rugs, NEC
1993	YOUN TAKE LEE	Drycleaning Plants, Except Rugs, NEC
2007	SNOWWHITE CLEANERS	Drycleaning Plants, Except Rugs
2008	SNOWWHITE CLEANERS	Drycleaning Plants, Except Rugs
2009	NEW DRY CLEANERS	Drycleaning Plants, Except Rugs
2009	SNOWWHITE CLEANERS	Drycleaning Plants, Except Rugs
2010	NEW DRY CLEANERS	Drycleaning Plants, Except Rugs
2010	SNOWWHITE CLEANERS	Drycleaning Plants, Except Rugs
2011	NEW DRY CLEANERS	Drycleaning Plants, Except Rugs
2012	NEW DRY CLEANERS	Drycleaning Plants, Except Rugs
2013	NEW DRY CLEANERS	Drycleaning Plants, Except Rugs
2014	NEW DRY CLEANERS	Drycleaning Plants, Except Rugs

C22
NNW
< 1/8
0.048 mi.
255 ft.

NEW CLEANERS
2031 E 1ST ST STE A1
SANTA ANA, CA 92705

Site 7 of 7 in cluster C

DRYCLEANERS **S121700934**
HWTS **N/A**

Relative:
Higher

DRYCLEANERS:

Actual:
138 ft.

Name:	NEW CLEANERS
Address:	2031 E 1ST ST STE A1
City,State,Zip:	SANTA ANA, CA 927054040
EPA Id:	CAL000342036
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	04/09/2009
Facility Active:	Yes
Inactive Date:	Not reported
Facility Addr2:	Not reported
Owner Name:	SONG IL CHANG
Owner Address:	2031 E 1ST ST STE A1
Owner Address 2:	Not reported
Owner Telephone:	7145589177
Contact Name:	SONG IL CHANG
Contact Address:	2031 E 1ST ST STE A1
Contact Address 2:	Not reported
Contact Telephone:	7145589177
Mailing Name:	Not reported
Mailing Address 1:	2031 E 1ST ST STE A1
Mailing Address 2:	Not reported
Mailing City:	SANTA ANA
Mailing State:	CA
Mailing Zip:	927054040
Owner Fax:	0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW CLEANERS (Continued)

S121700934

Region Code: 4

HWTS:

Name: NEW CLEANERS
Address: 2031 E 1ST ST STE A1
Address 2: Not reported
City,State,Zip: SANTA ANA, CA 927054040
EPA ID: CAL000342036
Inactive Date: Not reported
Create Date: 04/09/2009
Last Act Date: 07/18/2020
Mailing Name: Not reported
Mailing Address: 2031 E 1ST ST STE A1
Mailing Address 2: Not reported
Mailing City,State,Zip: SANTA ANA, CA 927054040
Owner Name: SONG IL CHANG
Owner Address: 2031 E 1ST ST STE A1
Owner Address 2: Not reported
Owner City,State,Zip: SANTA ANA, CA 927054040
Contact Name: SONG IL CHANG
Contact Address: 2031 E 1ST ST STE A1
Contact Address 2: Not reported
City,State,Zip: SANTA ANA, CA 92705

NAICS:

EPA ID: CAL000342036
Create Date: 2009-04-09 14:29:31.887
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
Issued EPA ID Date: 2009-04-09 14:29:31.87300
Inactive Date: Not reported
Facility Name: NEW CLEANERS
Facility Address: 2031 E 1ST ST STE A1
Facility Address 2: Not reported
Facility City: SANTA ANA
Facility County: Not reported
Facility State: CA
Facility Zip: 927054040

23
ENE
< 1/8
0.061 mi.
324 ft.

A RISING BUILDERS
2202 E 1ST STREET
ORANGE, CA 92705

RCRA NonGen / NLR 1025827865
CAC003007418

Relative:
Higher
Actual:
138 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 2019-03-26 00:00:00.0
Handler Name: A RISING BUILDERS
Handler Address: 2202 E 1ST STREET
Handler City,State,Zip: ORANGE, CA 92705
EPA ID: CAC003007418
Contact Name: ROBERT BELLUCCI
Contact Address: 151 KLAMUS DRIVE UNIT #H6
Contact City,State,Zip: COSTA MESA, CA 92626
Contact Telephone: 310-984-9037
Contact Fax: Not reported
Contact Email: TSTEVEN@AMERICAN-INTEGRATED.COM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A RISING BUILDERS (Continued)

1025827865

Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	151 KLAMUS DRIVE UNIT #H6
Mailing City,State,Zip:	COSTA MESA, CA 92626
Owner Name:	A RISING BUILDERS
Owner Type:	Other
Operator Name:	ROBERT BELLUCCI
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A RISING BUILDERS (Continued)

1025827865

Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-06-26 18:51:19.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ROBERT BELLUCCI
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	151 KLAMUS DRIVE UNIT #H6
Owner/Operator City,State,Zip:	COSTA MESA, CA 92626
Owner/Operator Telephone:	310-984-9037
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	A RISING BUILDERS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	151 KLAMUS DRIVE UNIT #H6
Owner/Operator City,State,Zip:	COSTA MESA, CA 92626
Owner/Operator Telephone:	310-984-9037
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-03-26 00:00:00.0
Handler Name:	A RISING BUILDERS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A RISING BUILDERS (Continued)

1025827865

List of NAICS Codes and Descriptions:

NAICS Code: 562910
NAICS Description: REMEDIATION SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

D24
WNW
< 1/8
0.099 mi.
524 ft.

ANAHEIM STATIONS
2002 01ST
SANTA ANA, CA 92705
Site 1 of 3 in cluster D

LUST **S105026409**
HIST CORTESE **N/A**

Relative:
Higher

Actual:
136 ft.

LUST REG 8:
Name: ANAHEIM STATIONS
Address: 2002 1ST ST
City: SANTA ANA
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083001306T
Local Case Num: Not reported
Case Type: Aquifer affected
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: EDVE
Cross Street: TOWNSEND
Enf Type: None Taken
Funding: Not reported
How Discovered: Not reported
How Stopped: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Global ID: T0605900998
How Stopped Date: Not reported
Enter Date: 9/8/1989
Date Confirmation of Leak Began: Not reported
Date Preliminary Assessment Began: 7/17/1989
Discover Date: 7/17/1989
Enforcement Date: 1/1/1965
Close Date: 10/9/1996
Date Prelim Assessment Workplan Submitted: Not reported
Date Pollution Characterization Began: 4/20/1994
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: 5/21/1992
Date Post Remedial Action Monitoring: Not reported
Enter Date: 9/8/1989
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANAHEIM STATIONS (Continued)

S105026409

Interim: Not reported
Oversite Program: LUST
Latitude: 33.74491634
Longitude: -117.8984962
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class: *
Staff: NOM
Staff Initials: JB
Lead Agency: Regional Board
Local Agency: Santa Ana, Orange County
Hydr Basin #: COASTAL PLAIN OF ORA
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: ADD'L WELLS INSTALLED 8/7/96. MTBE @ 75 PPB & BENZENE @ 1400 PPB.

HIST CORTESE:

edr_fname: ANAHEIM STATIONS
edr_fadd1: 2002 01ST
City,State,Zip: SANTA ANA, CA 92705
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083001306T

D25
WNW
< 1/8
0.100 mi.
528 ft.

FREEWAY AUTO BODY
2000 E FIRST ST
SANTA ANA, CA 92704
Site 2 of 3 in cluster D

RCRA-SQG **1000225185**
CAD981158967

Relative:
Higher
Actual:
136 ft.

RCRA-SQG:
Date Form Received by Agency: 1996-09-01 00:00:00.0
Handler Name: FREEWAY AUTO BODY
Handler Address: 2000 E FIRST ST
Handler City,State,Zip: SANTA ANA, CA 92704
EPA ID: CAD981158967
Contact Name: Not reported
Contact Address: Not reported
Contact City,State,Zip: Not reported
Contact Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FREEWAY AUTO BODY (Continued)

1000225185

State District Owner:	CA
State District:	4
Mailing Address:	2700 SHANNON
Mailing City,State,Zip:	SANTA ANA, CA 92704
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:22:36.0
Recognized Trader-Importer:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FREEWAY AUTO BODY (Continued)

1000225185

Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PAUL ROMAIN
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1996-09-01 00:00:00.0
Handler Name:	FREEWAY AUTO BODY
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1985-10-18 00:00:00.0
Handler Name:	FREEWAY AUTO BODY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FREEWAY AUTO BODY (Continued)

1000225185

Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D26
WNW
< 1/8
0.100 mi.
528 ft.

**SANTA ANA CHR PLY & ISUZU
2000 E FIRST ST
SANTA ANA, CA 92705**

Site 3 of 3 in cluster D

**Relative:
Higher**

**Actual:
136 ft.**

**RCRA-SQG 1000394834
SWEEPS UST CAD981692155
HIST UST
CA FID UST
FINDS
ECHO
HAZNET
CERS
HWTS**

RCRA-SQG:

Date Form Received by Agency: 1996-09-01 00:00:00.0
Handler Name: SANTA ANA CHR PLY & ISUZU
Handler Address: 2000 E FIRST ST
Handler City,State,Zip: SANTA ANA, CA 92705
EPA ID: CAD981692155
Contact Name: Not reported
Contact Address: Not reported
Contact City,State,Zip: Not reported
Contact Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: CA
State District: 4
Mailing Address: E FIRST ST
Mailing City,State,Zip: SANTA ANA, CA 92705
Owner Name: O R HAAN INC (JIM WOOD SR)
Owner Type: Private
Operator Name: NOT REQUIRED
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA CHR PLY & ISUZU (Continued)

1000394834

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2000-09-15 17:29:56.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	O R HAAN INC (JIM WOOD SR)
Legal Status:	Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA CHR PLY & ISUZU (Continued)

1000394834

Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1996-09-01 00:00:00.0
Handler Name: SANTA ANA CHR PLY & ISUZU
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

SWEEPS UST:

Name: SANTA ANA CHRYSLER PLYMOUTH
Address: 2020 E 1ST ST
City: SANTA ANA
Status: Active
Comp Number: 58914
Number: 9
Board Of Equalization: Not reported
Referral Date: 07-15-93
Action Date: 07-15-93

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA CHR PLY & ISUZU (Continued)

1000394834

Created Date: 07-31-88
Owner Tank Id: 1
SWRCB Tank Id: 30-020-058914-000001
Tank Status: A
Capacity: 250
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: 1

HIST UST:

Name: SANTA ANA CHRYSLER PLYMOUTH
Address: 2020 E 1ST ST
City,State,Zip: SANTA ANA, CA 92705
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000058914
Facility Type: Other
Other Type: Not reported
Contact Name: PHIL MCMANUS
Telephone: 7145414471
Owner Name: SANTA ANA CHRYSLER PLYMOUTH
Owner Address: 2020 E. FIRST ST.
Owner City,St,Zip: SANTA ANA, CA 92705
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000250
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

CA FID UST:

Facility ID: 30017883
Regulated By: UTNKA
Regulated ID: 00058914
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7145414471
Mail To: Not reported
Mailing Address: 2020 E 001ST ST
Mailing Address 2: Not reported
Mailing City,St,Zip: SANTA ANA 92705
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA CHR PLY & ISUZU (Continued)

1000394834

FINDS:

Registry ID: 110002677434

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110009540194

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000394834
Registry ID: 110009540194
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110009540194>
Name: SANTA ANA CHR PLY & ISUZU
Address: 2000 E FIRST ST
City,State,Zip: SANTA ANA, CA 92705

Envid: 1000394834
Registry ID: 110002677434
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002677434>
Name: FREEWAY AUTO BODY
Address: 2000 E FIRST ST
City,State,Zip: SANTA ANA, CA 92704

HAZNET:

Name: SANTA ANA CHR PLY & ISUZU
Address: 2000 E FIRST ST
Address 2: Not reported
City,State,Zip: SANTA ANA, CA 927050000
Contact: NON-DELIVERABLE 4/94 FEE FORM
Telephone: --
Mailing Name: Not reported
Mailing Address: 2000 E FIRST ST

Year: 1996
Gepaid: CAD981692155
TSD EPA ID: CAT080022148
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H01 - Transfer Station
Tons: 0.2085

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA CHR PLY & ISUZU (Continued)

1000394834

Year:	1996
Gepaid:	CAD981692155
TSD EPA ID:	CAT080013352
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	R01 - Recycler
Tons:	0.168
Year:	1996
Gepaid:	CAD981692155
TSD EPA ID:	CAT080013352
CA Waste Code:	133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method:	R01 - Recycler
Tons:	0.4586
Year:	1995
Gepaid:	CAD981692155
TSD EPA ID:	CAT080013352
CA Waste Code:	133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method:	R01 - Recycler
Tons:	0.4587
Year:	1994
Gepaid:	CAD981692155
TSD EPA ID:	CAT080013352
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	R01 - Recycler
Tons:	2.289
Year:	1994
Gepaid:	CAD981692155
TSD EPA ID:	CAT080013352
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	-
Tons:	0.84
Year:	1993
Gepaid:	CAD981692155
TSD EPA ID:	CAT080013352
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	R01 - Recycler
Tons:	1.554
Year:	1993
Gepaid:	CAD981692155
TSD EPA ID:	CAT080013352
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	-
Tons:	1.134
Year:	1992
Gepaid:	CAD981692155
TSD EPA ID:	CAT080011059
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	R01 - Recycler
Tons:	0.6255

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA CHR PLY & ISUZU (Continued)

1000394834

Year: 1991
Gepaid: CAD981692155
TSD EPA ID: CAT080011059
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 1.3761

[Click this hyperlink](#) while viewing on your computer to access
11 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year: 1995
Gen EPA ID: CAD981692155

Shipment Date: 19950922
Creation Date: 7/26/1996 0:00:00
Receipt Date: 19950924
Manifest ID: 95398845
Trans EPA ID: CAD028277036
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.4587
Waste Quantity: 110
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 1994
Gen EPA ID: CAD981692155

Shipment Date: 19940808
Creation Date: 3/26/1996 0:00:00
Receipt Date: 19940808
Manifest ID: 93721957
Trans EPA ID: CAD028277036
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: Not reported
TSDF Alt EPA ID: CAT080013352
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA CHR PLY & ISUZU (Continued)

1000394834

RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940627
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940627
Manifest ID:	93718952
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSD EPA ID:	CAT080013352
Trans Name:	Not reported
TSD EPA ID:	CAT080013352
TSD Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.84
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940524
Creation Date:	10/5/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	93715449
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSD EPA ID:	CAT080013352
Trans Name:	Not reported
TSD EPA ID:	Not reported
TSD Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.84
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA CHR PLY & ISUZU (Continued)

1000394834

Additional Code 5: Not reported

Shipment Date: 19940426
Creation Date: 3/25/1996 0:00:00
Receipt Date: 19940426
Manifest ID: 93317591
Trans EPA ID: CAD028277036
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: Not reported
TSDF Alt EPA ID: CAT080013352
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.735
Waste Quantity: 175
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19940323
Creation Date: 10/5/1995 0:00:00
Receipt Date: 19940323
Manifest ID: 93324536
Trans EPA ID: CAD028277036
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.483
Waste Quantity: 115
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1996
Gen EPA ID: CAD981692155

Shipment Date: 19960313
Creation Date: 10/16/1996 0:00:00
Receipt Date: 19960325

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA CHR PLY & ISUZU (Continued)

1000394834

Manifest ID:	95807958
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.168
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960313
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960325
Manifest ID:	95807959
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080022148
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080022148
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960125
Creation Date:	10/10/1996 0:00:00
Receipt Date:	19960125
Manifest ID:	95811770
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA CHR PLY & ISUZU (Continued)

1000394834

Waste Code Description: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.2293
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19960110
Creation Date: 9/18/1996 0:00:00
Receipt Date: 19960111
Manifest ID: 95810995
Trans EPA ID: CAD028277036
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.2293
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1993
Gen EPA ID: CAD981692155

Shipment Date: 19931230
Creation Date: 9/14/1995 0:00:00
Receipt Date: 19931230
Manifest ID: 93045427
Trans EPA ID: CAD028277036
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: Not reported
TSDF Alt EPA ID: CAT080013352
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.63
Waste Quantity: 150

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA CHR PLY & ISUZU (Continued)

1000394834

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931201
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931201
Manifest ID:	93145965
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080013352
Trans Name:	Not reported
TSDf Alt EPA ID:	CAT080013352
TSDf Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.924
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931027
Creation Date:	9/12/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	93232895
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080013352
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.525
Waste Quantity:	125
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930930
Creation Date:	9/12/1995 0:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA CHR PLY & ISUZU (Continued)

1000394834

Receipt Date: Not reported
Manifest ID: 93149610
Trans EPA ID: CAD028277036
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: - Not reported
Quantity Tons: 0.609
Waste Quantity: 145
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:

Name: FRESENIUS ORANGE COUNTY SOUTH
Address: 2020 E 1ST ST
City,State,Zip: SANTA ANA, CA 92705
Site ID: 165026
CERS ID: 10343551
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 165026
Site Name: Fresenius Orange County South
Violation Date: 8/18/2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 01/05/2018.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 165026
Site Name: Fresenius Orange County South
Violation Date: 8/18/2017
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 01/05/2018.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 165026

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA CHR PLY & ISUZU (Continued)

1000394834

Site Name: Fresenius Orange County South
Violation Date: 8/18/2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Not reported
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 165026
Site Name: Fresenius Orange County South
Violation Date: 8/18/2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Not reported
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-05-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following documents were received and ACCEPTED on CERS: -Business Activities -Business Owner/Operator -Emergency Response & Training Plans Violations I368 and I736 have been corrected. The following documents were received and DECLINED on CERS: -Chemical Inventory -Facility Site Map Violations I169 and I632 remains outstanding. See comments in the California Environmental Reporting System (CERS) for needed corrections. CERS can be accessed at <http://cers.calepa.ca.gov>
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-06-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-18-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous materials inspection. Consent to enter and inspect granted by Gitty Tamadon. Observed the hazardous materials storage areas. The following hazardous materials were observed today:
- 250 gallons 2K 2.25Ca dialysis solution - 250 gallons 2K 2.0Ca

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA CHR PLY & ISUZU (Continued)

1000394834

dialysis solution - 250 gallons 3K 2.25Ca dialysis solution - 3400 pounds Naturalyte Bicarb 4000 RX-12 powder - 1800 pounds water softener pellets - 2300 pounds 3K 2.25Ca Granuflo dry acid concentrate - 1900 pounds 2K 2.25Ca Granuflo dry acid concentrate - 1150 pounds 2K 2.0Ca Granuflo dry acid concentrate Annual hazardous materials training is completed using an online portal. Chapter 6.95 of Division 20 of the California Health and Safety Code (H&SC) and Section 11022 of Title 42 of the United States Code contain the minimum requirements for hazardous material inventory reporting and data management. These regulations require businesses within this jurisdiction to complete a chemical [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Coordinates:

Site ID: 165026
Facility Name: Fresenius Orange County South
Env Int Type Code: HMBP
Program ID: 10343551
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.745530
Longitude: -117.837990

Affiliation:

Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer Road Suite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6406

Affiliation Type Desc: Environmental Contact
Entity Name: Edgar Quezada
Entity Title: Not reported
Affiliation Address: 2020 East First St., Suite 110
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Yessica Rivas
Entity Title: Administrative Assistant
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA CHR PLY & ISUZU (Continued)

1000394834

Affiliation Type Desc: Legal Owner
Entity Name: Bio-Medical Applications of California, Inc.
Entity Title: Not reported
Affiliation Address: 2020 E. 1st Street, Suite 110
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92705
Affiliation Phone: (714) 972-1236

Affiliation Type Desc: Operator
Entity Name: Fresenius Kidney Care Orange County South
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (714) 972-1236

Affiliation Type Desc: Parent Corporation
Entity Name: URS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2020 E. 1st Street, Suite 110
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Emma Werlin
Entity Title: Not reported
Affiliation Address: 525 Cabrillo Park Dr.
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92705
Affiliation Phone: (714) 547-0800

Affiliation Type Desc: Document Preparer
Entity Name: Yessica Rivas
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA CHR PLY & ISUZU (Continued)

1000394834

Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:

Name: SANTA ANA CHR PLY & ISUZU
Address: 2000 E FIRST ST
Address 2: Not reported
City,State,Zip: SANTA ANA, CA 927050000
EPA ID: CAD981692155
Inactive Date: 01/01/1995
Create Date: 04/10/1987
Last Act Date: 07/10/2001
Mailing Name: Not reported
Mailing Address: 2000 E FIRST ST
Mailing Address 2: Not reported
Mailing City,State,Zip: SANTA ANA, CA 927050000
Owner Name: --
Owner Address: --
Owner Address 2: Not reported
Owner City,State,Zip: --, 99 --
Contact Name: NON-DELIVERABLE 4/94 FEE FORM
Contact Address: --
Contact Address 2: Not reported
City,State,Zip: --, 99 --

27
NNW
< 1/8
0.109 mi.
576 ft.

VISTA SANTA FE TRANSMISSIONS I
250 N GOLDEN CIRCLE DR
SANTA ANA, CA 92705

EDR Hist Auto 1021172127
N/A

Relative:
Higher

EDR Hist Auto

Actual:
139 ft.

Year:	Name:	Type:
2005	VISTA SANTA FE TRANSMISSIONS I	Automotive Transmission Repair Shops
2005	SEE SEA DIESEL SERVICE INC	General Automotive Repair Shops
2006	SEE SEA DIESEL SERVICE INC	General Automotive Repair Shops
2006	VISTA SANTA FE TRANSMISSIONS I	Automotive Transmission Repair Shops
2007	SEE SEA DIESEL SERVICE INC	General Automotive Repair Shops
2007	VISTA SANTA FE TRANSMISSIONS I	Automotive Transmission Repair Shops
2008	SEE SEA DIESEL SERVICE INC	General Automotive Repair Shops
2008	VISTA SANTA FE TRANSMISSIONS I	Automotive Transmission Repair Shops

E28
ENE
1/8-1/4
0.153 mi.
808 ft.

LABORATORY CORPORATION OF AMERICA
100 N TUSTIN AVE
TUSTIN, CA 92780

RCRA NonGen / NLR 1024850534
CAL000408154

Site 1 of 8 in cluster E

Relative:
Higher

RCRA NonGen / NLR:

Actual:
139 ft.

Date Form Received by Agency: 2015-06-30 00:00:00.0
Handler Name: LABORATORY CORPORATION OF AMERICA
Handler Address: 100 N TUSTIN AVE
Handler City,State,Zip: TUSTIN, CA 92780
EPA ID: CAL000408154

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LABORATORY CORPORATION OF AMERICA (Continued)

1024850534

Contact Name:	CHRIS WESTOVER, EHS MANAGER
Contact Address:	13112 EVENING CREEK DR SOUTH
Contact City,State,Zip:	SAN DIEGO, CA 92128
Contact Telephone:	858-668-3728
Contact Fax:	858-668-4861
Contact Email:	WESTOVC@LABCORP.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	13112 EVENING CREEK DR
Mailing City,State,Zip:	SAN DIEGO, CA 92128-0000
Owner Name:	LABORATORY CORPORATION OF AMERICA
Owner Type:	Other
Operator Name:	CHRIS WESTOVER, EHS MANAGER
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LABORATORY CORPORATION OF AMERICA (Continued)

1024850534

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 17:06:21.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHRIS WESTOVER, EHS MANAGER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	13112 EVENING CREEK DR SOUTH
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92128
Owner/Operator Telephone:	858-668-3728
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LABORATORY CORPORATION OF AMERICA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	358 S MAIN ST
Owner/Operator City,State,Zip:	BURLINGTON, NC 27215-0000
Owner/Operator Telephone:	800-762-4344
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2015-06-30 00:00:00.0
Handler Name:	LABORATORY CORPORATION OF AMERICA
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LABORATORY CORPORATION OF AMERICA (Continued)

1024850534

Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 621512
NAICS Description: DIAGNOSTIC IMAGING CENTERS

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

E29
ENE
1/8-1/4
0.153 mi.
808 ft.

TUSTIN HONDA
100 N TUSTIN AVENUE
TUSTIN, CA 92680
Site 2 of 8 in cluster E

HIST UST **S113146900**
N/A

Relative:
Higher

Actual:
139 ft.

HIST UST:
Name: TUSTIN HONDA
Address: 100 N TUSTIN AVENUE
City,State,Zip: TUSTIN, CA 92680
File Number: 0002EB1D
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002EB1D.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

E30
ENE
1/8-1/4
0.158 mi.
832 ft.
TUSTIN HONDA
100 TUSTIN AVE
TUSTIN, CA 92680
Site 3 of 8 in cluster E

HIST UST **U001577921**
N/A

Relative: HIST UST:
Higher Name: TUSTIN HONDA
Address: 100 TUSTIN AVE
Actual: City,State,Zip: TUSTIN, CA 92680
137 ft. File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000066159
Facility Type: Other
Other Type: MOTORCYCLE SALES/SER
Contact Name: Not reported
Telephone: 7145589393
Owner Name: MARVIN & VIOLA LEE
Owner Address: 100 N. TUSTIN AVE
Owner City,St,Zip: TUSTIN, CA 92680
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1972
Tank Capacity: 00000250
Tank Used for: WASTE
Type of Fuel: 5
Container Construction Thickness: X
Leak Detection: Visual, None

E31
ENE
1/8-1/4
0.165 mi.
872 ft.
THRIFTY OIL
101 TUSTIN AVE
TUSTIN, CA 92780
Site 4 of 8 in cluster E

LUST **U003783133**
UST **N/A**
CERS

Relative: LUST:
Higher Name: THRIFTY OIL
Address: 101 TUSTIN
Actual: City,State,Zip: TUSTIN, CA 92680
136 ft. Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605941193
Global Id: T0605941193
Latitude: 33.745718
Longitude: -117.834163
Status: Completed - Case Closed
Status Date: 04/18/1991
Case Worker: SR
RB Case Number: Not reported
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 88UT169
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THRIFTY OIL (Continued)

U003783133

Global Id: T0605941193
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: srajagopal@ochca.com
Phone Number: 7144336262

Global Id: T0605941193
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: valerie.jahn-bull@waterboards.ca.gov
Phone Number: 9517824903

LUST:

Global Id: T0605941193
Action Type: Other
Date: 09/16/1988
Action: Leak Reported

Global Id: T0605941193
Action Type: Other
Date: 09/16/1988
Action: Leak Discovery

LUST:

Global Id: T0605941193
Status: Open - Case Begin Date
Status Date: 09/16/1988

Global Id: T0605941193
Status: Completed - Case Closed
Status Date: 04/18/1991

Name: THRIFTY OIL
Address: 101 TUSTIN
City,State,Zip: TUSTIN, CA 92680
Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900843
Global Id: T0605900843
Latitude: 33.7457867
Longitude: -117.8343824
Status: Completed - Case Closed
Status Date: 03/11/1998
Case Worker: SR
RB Case Number: 083001069T
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 91UT029
Potential Media Affect: Soil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THRIFTY OIL (Continued)

U003783133

Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0605900843
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: srajagopal@ochca.com
Phone Number: 7144336262

Global Id: T0605900843
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: valerie.jahn-bull@waterboards.ca.gov
Phone Number: 9517824903

LUST:

Global Id: T0605900843
Action Type: Other
Date: 02/19/1991
Action: Leak Reported

Global Id: T0605900843
Action Type: Other
Date: 02/19/1991
Action: Leak Discovery

LUST:

Global Id: T0605900843
Status: Open - Case Begin Date
Status Date: 02/19/1991

Global Id: T0605900843
Status: Completed - Case Closed
Status Date: 03/11/1998

UST:

Name: THRIFTY OIL
Address: 101 TUSTIN AVE
City,State,Zip: TUSTIN, CA 92780
Facility ID: 4940
Permitting Agency: ORANGE COUNTY
Latitude: 33.7472913
Longitude: -117.8324282

CERS:

Name: THRIFTY OIL
Address: 101 TUSTIN
City,State,Zip: TUSTIN, CA 92680

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THRIFTY OIL (Continued)

U003783133

Site ID: 201790
CERS ID: T0605941193
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: VALERIE JAHN-BULL - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517824903

Affiliation Type Desc: Local Agency Caseworker
Entity Name: SHYAMALA RAJAGOPAL - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 E. DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336262

Name: THRIFTY OIL
Address: 101 TUSTIN
City,State,Zip: TUSTIN, CA 92680
Site ID: 201790
CERS ID: T0605900843
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: VALERIE JAHN-BULL - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517824903

Affiliation Type Desc: Local Agency Caseworker
Entity Name: SHYAMALA RAJAGOPAL - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 E. DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336262

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E32
ENE
1/8-1/4
0.165 mi.
872 ft.
THRIFTY OIL
101 TUSTIN
TUSTIN, CA 92680
Site 5 of 8 in cluster E

LUST
HIST UST
Cortese
U001577881
N/A

Relative:
Higher

LUST REG 8:

Actual:
136 ft.

Name: THRIFTY OIL
Address: 101 TUSTIN
City: TUSTIN
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083001069T
Local Case Num: 91UT029
Case Type: Soil only
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Close Tank
Leak Cause: Unknown
Leak Source: Unknown
Global ID: T0605900843
How Stopped Date: 9/9/9999
Enter Date: Not reported
Date Confirmation of Leak Began: Not reported
Date Preliminary Assessment Began: Not reported
Discover Date: 2/19/1991
Enforcement Date: Not reported
Close Date: 3/11/1998
Date Prelim Assessment Workplan Submitted: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring: Not reported
Enter Date: Not reported
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.7457867
Longitude: -117.8343824
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class: *
Staff: VJJ
Staff Initials: AM
Lead Agency: Local Agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THRIFTY OIL (Continued)

U001577881

Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported
Name:	THRIFTY OIL
Address:	101 TUSTIN
City:	TUSTIN
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	Not reported
Local Case Num:	88UT169
Case Type:	Soil only
Substance:	Waste Oil
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605941193
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	9/16/1988
Enforcement Date:	Not reported
Close Date:	4/18/1991
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	Not reported
Longitude:	Not reported
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THRIFTY OIL (Continued)

U001577881

Staff: VJJ
Staff Initials: AM
Lead Agency: Local Agency
Local Agency: 30000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

HIST UST:

Name: ARCO STN. #378
Address: 101 TUSTIN AVE
City,State,Zip: TUSTIN, CA 92680
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000004726
Facility Type: Gas Station
Other Type: Not reported
Contact Name: Not reported
Telephone: 2139239876
Owner Name: THRIFTY OIL CO.
Owner Address: 10000 LAKEWOOD BLVD.
Owner City,St,Zip: DOWNEY, CA 90240
Total Tanks: 0004

Tank Num: 001
Container Num: 378-1
Year Installed: Not reported
Tank Capacity: 00009943
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 378-2
Year Installed: Not reported
Tank Capacity: 00009943
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 378-3
Year Installed: Not reported
Tank Capacity: 00009943
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 378-10

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THRIFTY OIL (Continued)

U001577881

Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 12
Leak Detection: Stock Inventor

CORTESE:

Name: THRIFTY OIL
Address: 101 TUSTIN
City,State,Zip: TUSTIN, CA 92680
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0605900843
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

Name: THRIFTY OIL
Address: 101 TUSTIN
City,State,Zip: TUSTIN, CA 92680
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0605941193
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
E33	THRIFTY OIL		
ENE	101 N TUSTIN AVE	LUST	S120834845
1/8-1/4	TUSTIN, CA 92680		N/A
0.177 mi.			
932 ft.	Site 6 of 8 in cluster E		

Relative:	ORANGE CO. LUST:	
Higher	Name:	THRIFTY OIL
	Address:	101 N TUSTIN AVE
Actual:	City,State,Zip:	TUSTIN, CA 92680
138 ft.	Region:	ORANGE
	Facility Id:	91UT029
	Released Substance:	Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
	Date Closed:	03/11/1998
	Record ID:	RO0001561

E34	ARCO STN 378	HIST UST	S118407559
ENE	101 N TUSTIN		N/A
1/8-1/4	TUSTIN, CA 92680		
0.177 mi.			
932 ft.	Site 7 of 8 in cluster E		

Relative:	HIST UST:	
Higher	Name:	ARCO STN 378
	Address:	101 N TUSTIN
Actual:	City,State,Zip:	TUSTIN, CA 92680
138 ft.	File Number:	0002EF2E
	URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002EF2E.pdf
	Region:	Not reported
	Facility ID:	Not reported
	Facility Type:	Not reported
	Other Type:	Not reported
	Contact Name:	Not reported
	Telephone:	Not reported
	Owner Name:	Not reported
	Owner Address:	Not reported
	Owner City,St,Zip:	Not reported
	Total Tanks:	Not reported
	Tank Num:	Not reported
	Container Num:	Not reported
	Year Installed:	Not reported
	Tank Capacity:	Not reported
	Tank Used for:	Not reported
	Type of Fuel:	Not reported
	Container Construction Thickness:	Not reported
	Leak Detection:	Not reported

[Click here for Geo Tracker PDF:](#)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

E35
ENE
1/8-1/4
0.177 mi.
932 ft.

THRIFTY OIL
101 N TUSTIN AVE
TUSTIN, CA 92680

LUST S120834759
N/A

Relative:
Higher
Actual:
138 ft.

ORANGE CO. LUST:
Name: THRIFTY OIL
Address: 101 N TUSTIN AVE
City,State,Zip: TUSTIN, CA 92680
Region: ORANGE
Facility Id: 88UT169
Released Substance: Waste oil/Used oil
Date Closed: 04/18/1991
Record ID: RO0002908

36
NNW
1/8-1/4
0.180 mi.
952 ft.

DUBITEC AMERICA INC
2000 E 4TH ST
SANTA ANA, CA 92705

PROC S113186790
N/A

Relative:
Higher
Actual:
141 ft.

PROC:
Name: DUBITEC AMERICA INC
Address: 2000 E 4TH ST
City,State,Zip: SANTA ANA, CA 92705
Reg Id: 166940
Cert Id: PR166940.001
Organization Id: Not reported
Organization Name: Dubitec America Inc
Mailing Address: 2000 E 4th St Ste 201
Mailing City: Santa Ana
Mailing State: CA
Mailing Zip Code: 92705
Website: Not reported
Email: Not reported
Phone Number: (714) 210-6300
Rural: N/A
Operation Begin Date: 01/01/2013
Aluminium: Not reported
Glass: Not reported
Plastic: Not reported
Bimetal: Not reported
Hours of Operation: Mon - Fri Unknown; Sat - Sun Closed

F37
NNE
1/8-1/4
0.188 mi.
991 ft.

CALIFORNIA COMMERCIAL- ST. JOSEPH
2212 E 4TH ST
SANTA ANA, CA 92705

RCRA NonGen / NLR 1026169241
CAC003069289

Relative:
Higher
Actual:
145 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 2020-06-03 00:00:00.0
Handler Name: CALIFORNIA COMMERCIAL- ST. JOSEPH
Handler Address: 2212 E 4TH ST
Handler City,State,Zip: SANTA ANA, CA 92705
EPA ID: CAC003069289
Contact Name: VALERIE AGUILAR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALIFORNIA COMMERCIAL- ST. JOSEPH (Continued)

1026169241

Contact Address:	2212 E 4TH ST
Contact City,State,Zip:	SANTA ANA, CA 92705
Contact Telephone:	626-813-0234
Contact Fax:	Not reported
Contact Email:	KYLE.CURRAN@SAFETY-KLEEN.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2212 E 4TH ST
Mailing City,State,Zip:	SANTA ANA, CA 92705
Owner Name:	CALIFORNIA COMMERCIAL
Owner Type:	Other
Operator Name:	VALERIE AGUILAR
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALIFORNIA COMMERCIAL- ST. JOSEPH (Continued)

1026169241

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDU Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-06-08 20:36:47.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CALIFORNIA COMMERCIAL
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2212 E 4TH ST
Owner/Operator City,State,Zip:	SANTA ANA, CA 92705
Owner/Operator Telephone:	626-813-0234
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	VALERIE AGUILAR
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2212 E 4TH ST
Owner/Operator City,State,Zip:	SANTA ANA, CA 92705
Owner/Operator Telephone:	626-813-0234
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-06-03 00:00:00.0
Handler Name:	CALIFORNIA COMMERCIAL- ST. JOSEPH
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALIFORNIA COMMERCIAL- ST. JOSEPH (Continued)

1026169241

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 236115
NAICS Description: NEW SINGLE-FAMILY HOUSING CONSTRUCTION (EXCEPT OPERATIVE BUILDERS)

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

F38
NNE
1/8-1/4
0.188 mi.
991 ft.

ST. JOSEPH HERITAGE MEDICAL GROUP
2212 E 4TH ST
SANTA ANA, CA 92705

RCRA NonGen / NLR

1026164963
CAC003064975

Site 2 of 2 in cluster F

Relative:
Higher

RCRA NonGen / NLR:

Actual:
145 ft.

Date Form Received by Agency: 2020-04-30 00:00:00.0
Handler Name: ST. JOSEPH HERITAGE MEDICAL GROUP
Handler Address: 2212 E 4TH ST
Handler City,State,Zip: SANTA ANA, CA 92705
EPA ID: CAC003064975
Contact Name: JACKIE PAIZ
Contact Address: 1135 S. SUNSET AVENUE
Contact City,State,Zip: WEST COVINA, CA 91790
Contact Telephone: 626-813-0234
Contact Fax: Not reported
Contact Email: VAGUILAR@CALCOMM.ORG
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 1135 S. SUNSET AVENUE
Mailing City,State,Zip: WEST COVINA, CA 91790
Owner Name: SANTA ANA MOB, LLC
Owner Type: Other
Operator Name: JACKIE PAIZ
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ST. JOSEPH HERITAGE MEDICAL GROUP (Continued)

1026164963

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-05-15 19:43:19.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SANTA ANA MOB, LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1800 QUAIL STREET

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ST. JOSEPH HERITAGE MEDICAL GROUP (Continued)

1026164963

Owner/Operator City,State,Zip: NEWPORT BEACH, CA 92660
Owner/Operator Telephone: 626-813-0234
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JACKIE PAIZ
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1135 S. SUNSET AVENUE
Owner/Operator City,State,Zip: WEST COVINA, CA 91790
Owner/Operator Telephone: 626-813-0234
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2020-04-30 00:00:00.0
Handler Name: ST. JOSEPH HERITAGE MEDICAL GROUP
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 621111
NAICS Description: OFFICES OF PHYSICIANS (EXCEPT MENTAL HEALTH SPECIALISTS)

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

39
North
1/8-1/4
0.201 mi.
1061 ft.

S&N LABS INC
2021 E 4TH ST STE 112
SANTA ANA, CA 92705

RCRA NonGen / NLR 1024864300
CAL000432860

Relative:
Higher

RCRA NonGen / NLR:
Date Form Received by Agency: 2018-01-02 00:00:00.0
Handler Name: S&N LABS INC
Handler Address: 2021 E 4TH ST STE 112
Handler City,State,Zip: SANTA ANA, CA 92705
EPA ID: CAL000432860
Contact Name: NEIL SPINGARN

Actual:
143 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S&N LABS INC (Continued)

1024864300

Contact Address:	2021 E 4TH ST STE 112
Contact City,State,Zip:	SANTA ANA, CA 92705
Contact Telephone:	714-543-2211
Contact Fax:	Not reported
Contact Email:	CHEMIST@SNLABS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2021 E 4TH ST STE 112
Mailing City,State,Zip:	SANTA ANA, CA 92705
Owner Name:	S&N LABS INC
Owner Type:	Other
Operator Name:	NEIL SPINGARN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S&N LABS INC (Continued)

1024864300

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDU Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-07 19:37:13.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	S&N LABS INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2021 E 4TH ST STE 112
Owner/Operator City,State,Zip:	SANTA ANA, CA 92705
Owner/Operator Telephone:	714-543-2211
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NEIL SPINGARN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2021 E 4TH ST STE 112
Owner/Operator City,State,Zip:	SANTA ANA, CA 92705
Owner/Operator Telephone:	714-543-2211
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2018-01-02 00:00:00.0
Handler Name:	S&N LABS INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S&N LABS INC (Continued)

1024864300

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 541380
NAICS Description: TESTING LABORATORIES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

G40
NE
1/8-1/4
0.207 mi.
1093 ft.

A&M BUSINESS ENTERPRISES INC
320 N TUSTIN AVE
SANTA ANA, CA 92705

RCRA NonGen / NLR

1024872928
CAL000441577

Site 1 of 16 in cluster G

Relative:
Higher
Actual:
144 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 2018-12-07 00:00:00.0
Handler Name: A&M BUSINESS ENTERPRISES INC
Handler Address: 320 N TUSTIN AVE
Handler City,State,Zip: SANTA ANA, CA 92705
EPA ID: CAL000441577
Contact Name: OZZY KATYO
Contact Address: 320 N TUSTIN AVE
Contact City,State,Zip: SANTA ANA, CA 92705
Contact Telephone: 714-815-8920
Contact Fax: 714-953-7604
Contact Email: AKATYLO@YAHOO.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 320 N TUSTIN AVE
Mailing City,State,Zip: SANTA ANA, CA 92705
Owner Name: A & M BUSINESS ENTERPRISES INC
Owner Type: Other
Operator Name: OZZY KATYO
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A&M BUSINESS ENTERPRISES INC (Continued)

1024872928

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-12-20 13:53:11.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	A & M BUSINESS ENTERPRISES INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	320 N TUSTIN AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A&M BUSINESS ENTERPRISES INC (Continued)

1024872928

Owner/Operator City,State,Zip: SANTA ANA, CA 92705
Owner/Operator Telephone: 714-815-8920
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: OZZY KATYO
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 320 N TUSTIN AVE
Owner/Operator City,State,Zip: SANTA ANA, CA 92705
Owner/Operator Telephone: 714-815-8920
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2018-12-07 00:00:00.0
Handler Name: A&M BUSINESS ENTERPRISES INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 447190
NAICS Description: OTHER GASOLINE STATIONS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G41
NE
1/8-1/4
0.207 mi.
1093 ft.

GRENROOD TEXACO
320 N TUSTIN AVE
SANTA ANA, CA 92705
Site 2 of 16 in cluster G

SWEEPS UST **U001578244**
HIST UST **N/A**

Relative:
Higher

SWEEPS UST:
Name: TEXACO
Address: 320 N TUSTIN AVE
City: SANTA ANA
Status: Active
Comp Number: 213
Number: 2

Actual:
144 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRENROOD TEXACO (Continued)

U001578244

Board Of Equalization: Not reported
Referral Date: 07-21-93
Action Date: 07-21-93
Created Date: 01-26-92
Owner Tank Id: 1
SWRCB Tank Id: 30-020-000213-000001
Tank Status: A
Capacity: 550
Active Date: 01-26-92
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: 4

Name: TEXACO
Address: 320 N TUSTIN AVE
City: SANTA ANA
Status: Active
Comp Number: 213
Number: 2
Board Of Equalization: Not reported
Referral Date: 07-21-93
Action Date: 07-21-93
Created Date: 01-26-92
Owner Tank Id: 2
SWRCB Tank Id: 30-020-000213-000002
Tank Status: A
Capacity: 10000
Active Date: 01-26-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Name: TEXACO
Address: 320 N TUSTIN AVE
City: SANTA ANA
Status: Active
Comp Number: 213
Number: 2
Board Of Equalization: Not reported
Referral Date: 07-21-93
Action Date: 07-21-93
Created Date: 01-26-92
Owner Tank Id: 3
SWRCB Tank Id: 30-020-000213-000003
Tank Status: A
Capacity: 10000
Active Date: 01-26-92
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: TEXACO
Address: 320 N TUSTIN AVE
City: SANTA ANA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRENROOD TEXACO (Continued)

U001578244

Status: Active
Comp Number: 213
Number: 2
Board Of Equalization: Not reported
Referral Date: 07-21-93
Action Date: 07-21-93
Created Date: 01-26-92
Owner Tank Id: 4
SWRCB Tank Id: 30-020-000213-000004
Tank Status: A
Capacity: 10000
Active Date: 01-26-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:

Name: GRENROOD TEXACO
Address: 320 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000060237
Facility Type: Gas Station
Other Type: Not reported
Contact Name: GEO. E. GRENROOD
Telephone: 7148358089
Owner Name: TEXACO, INC
Owner Address: 320 NO TUSTIN AVE
Owner City,St,Zip: SANTA ANA, CA 92705
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Sensor Instrument

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Sensor Instrument

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRENROOD TEXACO (Continued)

U001578244

Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Sensor Instrument

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

G42
NE
1/8-1/4
0.207 mi.
1093 ft.
TEXACO
320 NORTH TUSTIN AVE.
SANTA ANA, CA 92705
Site 3 of 16 in cluster G

UST **U004061485**
N/A

Relative: UST:
Higher Name: TEXACO
Address: 320 NORTH TUSTIN AVE.
City,State,Zip: SANTA ANA, CA 92705
Facility ID: 30-020-sa213
Permitting Agency: SANTA ANA, CITY OF
Latitude: 33.74753
Longitude: -117.83415

G43
NE
1/8-1/4
0.207 mi.
1093 ft.
TEXACO
320 TUSTIN AND FOURTH
SANTA ANA, CA 92701
Site 4 of 16 in cluster G

HIST UST **S101619791**
CA FID UST **N/A**

Relative: HIST UST:
Higher Name: TEXACO
Address: 320 TUSTIN AND FOURTH
City,State,Zip: SANTA ANA, CA 92701
File Number: 0002EEC9
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002EEC9.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO (Continued)

S101619791

Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

CA FID UST:

Facility ID: 30008184
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7158358089
Mail To: Not reported
Mailing Address: 3631 HARBOIR
Mailing Address 2: Not reported
Mailing City,St,Zip: SANTA ANA 92705
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Facility ID: 30008184
Regulated By: UTNKA
Regulated ID: 00007267
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7148358089
Mail To: Not reported
Mailing Address: 320 TUSTIN
Mailing Address 2: Not reported
Mailing City,St,Zip: SANTA ANA 92701
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Facility ID: 30008184
Regulated By: UTNKA
Regulated ID: 00060237
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7148358089
Mail To: Not reported
Mailing Address: 320 N TUSTIN AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: SANTA ANA 92705
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO (Continued)

S101619791

EPA ID: Not reported
Comments: Not reported
Status: Active

G44
NE
1/8-1/4
0.207 mi.
1093 ft.

A & M BUSINESS ENTERPRISES, INC.
320 N TUSTIN AVE
SANTA ANA, CA 92705
Site 5 of 16 in cluster G

CERS HAZ WASTE
HIST UST
CERS TANKS
HAZNET
CERS
HWTS

S113467970
N/A

Relative:
Higher

Actual:
144 ft.

CERS HAZ WASTE:

Name: A & M BUSINESS ENTERPRISES, INC.
Address: 320 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
Site ID: 423941
CERS ID: 10565881
CERS Description: Hazardous Waste Generator

HIST UST:

Name: GRENROOD TEXACO
Address: 320 NO TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
File Number: 0002EEF9
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002EEF9.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

CERS TANKS:

Name: A & M BUSINESS ENTERPRISES, INC.
Address: 320 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
Site ID: 423941
CERS ID: 10565881
CERS Description: Underground Storage Tank

HAZNET:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Name: SHELL TUSTIN AUTO SERVICE
Address: 320 N TUSTIN AVE
Address 2: Not reported
City,State,Zip: SANTA ANA, CA 927053823
Contact: Z JOHN HADDADIAN / PRESIDENT
Telephone: 5623076014
Mailing Name: Not reported
Mailing Address: 15402 FICUS ST

Year: 2010
Gepaid: CAL000351744
TSD EPA ID: CAT080013352
CA Waste Code: 222 - Oil/water separation sludge
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect

Tons: 0.52125

Additional Info:

Year: 2010
Gen EPA ID: CAL000351744

Shipment Date: 20100816
Creation Date: 10/8/2010 18:30:26
Receipt Date: 20100817
Manifest ID: 003767948FLE
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO / KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 222 - Oil/water separation sludge
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect

Quantity Tons: 0.52125
Waste Quantity: 125
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:

Name: A & M BUSINESS ENTERPRISES, INC.
Address: 320 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
Site ID: 423941
CERS ID: 10565881
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 423941

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 4/17/2019
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 06/27/2019. A copy of the Certification of Financial Responsibility (CFR) documentation is not being maintained on site. Provide a copy of the current CFR from CERS to the site and to this agency.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 7/1/2014
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 07/23/2014. This facility has not submitted UST forms electronically, as required: Business Activities form, Business Owner/Operator Identification form, Operating Permit Application G Facility Information form, and Operating Permit Application G Tank Information forms (5). Submit these forms electronically. Mike Hanna, on site manager, explained that he has obtained a user name and password for our AgencyG s e-Submit portal, but that he has had difficulties submitting the forms. I explained our AgencyG s G e-Submit LabG that is available at our facility for UST owners and operators to learn to navigate the e-Submit portal, and I gave Mr. Hanna an information sheet for this.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 7/1/2014
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 07/23/2014. Submit a monitoring plan via an approved electronic submission portal.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/27/2019
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 07/12/2019. (1) VR208 sensor in 87 fill sump

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

failed initial test. The failed sensor was replaced (like-for-like) at the time of inspection and passed when tested. The violation was corrected. (2) VR208 sensor in 89 turbine sump failed initial test. The failed sensor was replaced (like-for-like) at the time of inspection and passed when tested. The violation was corrected. (3) VR208 sensor in used oil fill sump failed initial test. The failed sensor could not be replaced at the time of inspection. Corrective Action: Replace the failed sensor (like-for-like) and provide documentation to this agency immediately indicating that the replacement sensor has been tested and passes.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 7/1/2014
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)

Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate plot plan.

Violation Notes: Returned to compliance on 07/09/2015. Submit a monitoring plot plan via an approved electronic submission portal.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 7/1/2014
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violation Notes: Returned to compliance on 07/23/2014. Submit a Certification of Financial Responsibility (CFR) form and Letter from Chief Financial Officer (if indicated on the CFR) electronically.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 4/17/2019
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)

Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violation Notes: Returned to compliance on 04/17/2019. Facility changed ownership on 11/15/2018. Updated owner information not submitted through the California Environmental Reporting System (CERS) until 02/19/2019. Ownership information verified during on-site inspection, violation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

has been corrected.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/30/2016
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description: Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.
Violation Notes: Returned to compliance on 06/30/2016. The 91 spill bucket did not pass initial test. It was replaced during the inspection and passed when retested. This violation has been corrected.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 8/29/2013
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.
Violation Notes: Returned to compliance on 12/04/2013. The following secondary containment components had G FAILG test results reported on the testing report dated 7/02/2013: 87 tank's piping sump, 91 tank's piping sump, 87 tank's fill riser containment sump, 89 tank's fill riser containment sump, and 91 tank's fill riser containment sump. Repair necessary secondary containment components and retest. Submit plans to this Agency for review. Note also that at least 48 hours advance notification must be given to this Agency for inspections.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 4/17/2019
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes: Returned to compliance on 06/27/2019. It was reported that employees have not received training from the Designated Operator (DO). Have DO provide training to employees and provide a copy of the training certificate(s) to this agency.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/27/2018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712

Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.

Violation Notes: Returned to compliance on 05/20/2019. Operating permit conditions state that an approved monitoring plan, leak response plan, and plot plan are required to be maintained on site. Copies of the listed plans must be maintained on site immediately. A permit to operate must be maintained on site. Please request a copy of the permit from this office immediately. A follow up inspection will be conducted within 30 days.

Violation Division: Orange County Environmental Health

Violation Program: UST

Violation Source: CERS

Site ID: 423941

Site Name: A & M BUSINESS ENTERPRISES, INC.

Violation Date: 6/29/2017

Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

Violation Description: Failure to have a UST Response Plan available on site.

Violation Notes: Returned to compliance on 06/27/2018. Response plan for tanks has not been submitted electronically. Response plan must be submitted electronically to CERS within 30 days of this inspection.

Violation Division: Orange County Environmental Health

Violation Program: UST

Violation Source: CERS

Site ID: 423941

Site Name: A & M BUSINESS ENTERPRISES, INC.

Violation Date: 6/29/2017

Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286

Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.

Violation Notes: Returned to compliance on 06/27/2018. CUPA forms (Facility Information, Tank Information pages, Monitoring Plan, Response Plan) are not available on site and have not been submitted electronically and/or not accurate. Accurate CUPA forms must be submitted electronically and be maintained on site within 30 days of this inspection.

Violation Division: Orange County Environmental Health

Violation Program: UST

Violation Source: CERS

Site ID: 423941

Site Name: A & M BUSINESS ENTERPRISES, INC.

Violation Date: 10/31/2014

Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violation Notes: Returned to compliance on 12/30/2014. The Certification of Financial Responsibility (CFR) form submitted 7/23/2014 to this Agency's e-Submit portal was not acceptable, as it does not show enough information and coverage. The following must be shown on the CFR: -at least \$1,000,000, per occurrence, for petroleum marketers; -complete

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

address of facility, including name of city; -complete information in Part C (mechanism type Insurance, as Name and Address of Issuer and Mechanism Number are missing on the 7/23/2014 submittal). Submit (electronically to the portal) a complete, updated document.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/29/2017
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance. Returned to compliance on 06/27/2018. Certification of Financial Responsibility (CFR) is not available on site or electronically submitted. Valid CFR must be submitted electronically to CERS and be maintained on site within 30 days of this inspection.
Violation Notes:

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/27/2019
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance. Returned to compliance on 08/15/2019. Evidence of financial responsibility (i.e. insurance policy, documentation, etc.) was not available on site for review. Submit evidence of financial responsibility to both the facility and this agency immediately.
Violation Notes:

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/27/2019
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description: Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes: Returned to compliance on 08/15/2019.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/29/2017
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Violation Notes: stops flow at the dispenser when a leak is detected.
Returned to compliance on 06/29/2017. Sensor in diesel turbine sump failed initial test. Failed sensor was replaced (like for like) during the inspection and passed when tested. This violation has been corrected.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/27/2018
Citation: 23 CCR 16 2632(d)(1)(c),2641(h),2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(c),2641(h),2711(a)(8)

Violation Description: Failure to submit or maintain a current facility plot plan.

Violation Notes: Returned to compliance on 05/20/2019. A current plot plan must be submitted electronically to CERS immediately. A follow up inspection will be conducted within 30 days. The plot plan must show the location of the of the underground storage tank(s), piping, auxiliary equipment, monitoring system panel, sensors, leak detectors, ATGs and other monitoring equipment, as applicable.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/28/2018
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)

Violation Description: Failure to submit the UPA. of the designated operator (DO) identification and/or change of the DO within 30 days.

Violation Notes: Designated operator (DO) statement was not maintained on site and has not been submitted electronically. DO statement must be submitted electronically to CERS immediately and a copy maintained on site. A follow-up inspection will be conducted within 30 days

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 4/17/2019
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)

Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violation Notes: Returned to compliance on 04/14/2020. Employees are reported not to be trained. Hold a safety meeting covering the Business Emergency Plan and provide a record of the training to this agency.

Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/27/2019
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 07/22/2019. The tank pages for all tanks in CERS are inaccurate/incorrect. Refer to the CERS comments for corrective actions. Update and resubmit the tank pages via CERS immediately.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 7/1/2014
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to submit statement of UST compliance and/or Designated Operator certification.
Violation Notes: Returned to compliance on 07/23/2014. Submit a Designated Operator Owner statement via an approved electronic submission portal.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/29/2017
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have a UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 06/27/2018. Monitoring plans for tanks are not available on site and have not been submitted electronically. Monitoring plans must be submitted electronically to CERS and be maintained on site within 30 days of this inspection.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/27/2018
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 05/20/2019. Monitoring plans for tanks are not available on site and have not been submitted electronically. Monitoring plans must be submitted electronically to CERS immediately and a copy maintained on site. A follow up inspection will be conducted within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 4/17/2019
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 04/22/2019. Tank information for the used oil tank has been declined in CERS. Use comments in CERS to make corrections. This agency was notified of a change of ownership at facility via the 02/19/2019 submission to the CERS. Per Mr. Katylo facility changed ownership on 11/15/2018. Facility is required to notify Orange County Environmental Health within 30 days of any changes to permit information.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 7/1/2014
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate response plan.
Violation Notes: Returned to compliance on 07/23/2014. Submit a leak response plan electronically via an approved electronic submission portal.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/27/2018
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at the dispenser when a leak is detected.
Violation Notes: Returned to compliance on 06/27/2018. Sensor in 89 turbine sump failed initial test. Failed sensor was replaced (like for like) during the inspection and passed when tested. This violation has been corrected. Sensor in diesel fill sump failed initial test. Failed sensor was replaced (like for like) during the inspection and passed when tested. Sensor in 87 turbine sump failed initial test. Failed sensor was cleaned, retested, and passed when tested.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 7/1/2014
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Violation Notes: Waste, and starting accumulation date.
Returned to compliance on 07/01/2014. The following containers were not labeled with required accumulation start date: -Two 55-gallon drums of oily water stored outside, behind building; -Two 55-gallon drums of waste motor oil stored outside, behind building; -One 15-gallon drum of unknown waste outside, to the west of building. Note: this violation was corrected during the inspection.

Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/29/2017
Citation: 23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)

Violation Description: Failure to submit or update a plot plan.

Violation Notes: Returned to compliance on 06/27/2018. Monitoring site plan has not been submitted electronically. Monitoring site plan must be submitted electronically to CERS within 30 days of this inspection.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 7/1/2014
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 07/01/2014. The following containers were not labeled with required hazardous waste information: -Two 55-gallon drums of oily water stored outside, behind building; -Two 55-gallon drums of waste motor oil stored outside, behind building; -One 15-gallon drum of unknown waste outside, to the west of building. Note: this violation was corrected during the inspection.

Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 7/1/2014
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173

Violation Description: Failure to properly close hazardous waste containers when not in active use.

Violation Notes: Returned to compliance on 07/01/2014. Two 55-gallon drums of oily water stored outside, behind building were not stored closed during transfer and storage, as drums had open bung-holes. Note: this violation was corrected during the inspection.

Violation Division: Orange County Environmental Health
Violation Program: HW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

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Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/29/2017
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 06/29/2017. To date facility has not reviewed and re-certified HMBEP for 2017. HMBEP was resubmitted for 2017. Violation abated.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/29/2017
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes: Returned to compliance on 06/27/2018. DO statement has not been submitted electronically. DO statement must be submitted electronically to CERS within 30 days of this inspection.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/27/2018
Citation: 23 CCR 16 2712(i), 2632(d)(2), 2634(e), 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i), 2632(d)(2), 2634(e), 2641(h)
Violation Description: Failure to submit a current UST Response Plan available on site.
Violation Notes: Returned to compliance on 05/20/2019. Response plan for tanks has not been submitted electronically. Response plan must be submitted electronically to CERS immediately. A follow up inspection will be conducted within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/27/2018
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 05/20/2019. CUPA forms (Facility Information, Tank Information pages, Monitoring Plan, Response Plan) are not available on site and have not been submitted electronically and/or not accurate. Accurate CUPA forms must be submitted

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

electronically and be maintained on site immediately. A follow-up inspection will be conducted within 30 days.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/27/2018
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violation Notes: Returned to compliance on 05/20/2019. Certification of Financial Responsibility (CFR) is not available on site and/or electronically submitted. Valid CFR must be submitted electronically to CERS and be maintained on site immediately. A follow up inspection will be conducted within 30 days.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 6/27/2019
Citation: 23 CCR 16 2716(a) through (e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(a) through (e)

Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.

Violation Notes: Returned to compliance on 07/22/2019. DO inspection reports from November 2018 through June 2019 are inaccurate; dates of secondary containment testing were inaccurate. Secondary containment testing was conducted on 5/16/2019; DO report from June 2019 indicated last test was performed on 6/30/2019. In addition, DO reports from November 2018 through March 2019 indicate that secondary containment testing was performed on 3/20/2016. Provide a copy to this agency immediately of the most recent DO inspection report with the correct date for latest secondary containment testing performed.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Violation Date: 6/27/2019
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes: Returned to compliance on 08/15/2019. Only one employee has been trained by the DO as indicated on the DO training record maintained on site. The listed employee was not present at the time of inspection during operating hours. Please provide a DO training record indicating that at least one trained employee is present during operating hours. Submit training records to this agency immediately.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 423941
Site Name: A & M BUSINESS ENTERPRISES, INC.
Violation Date: 4/17/2019
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 06/27/2019. A copy of the approved monitoring plan is not being maintained on site. Provide a copy of the approved monitoring plan from CERS to the site and to this agency.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-02-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed status of UST submission on E-Submit Portal/CERS and found that no submittal as of today. Request for resubmittal this date.
Reviewed status of electronic submittal of UST forms and found no submittal as of today. Facility is required and has been notified to electronically submit UST Forms by 2/01/2014. Facility can submit forms electronically by going to www.esubmit.ocgov.com and requesting a username and password. User guides and tutorials are located on the home page to help you get started. If you are having trouble, please contact 714-433-6000.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-17-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This Agency received a secondary containment testing report dated 12/04/2013 with the following results: -"PASS" for 87 tankG s piping sump testing; -"PASS" for 87 tankG s piping sump testing; -"PASS" for 87 tankG s fill riser containment sump testing; -"PASS" for 87 tankG s fill riser containment sump testing; -"PASS" for 87 tankG s fill riser containment sump testing.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-14-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Change permit issuance status to [03-No Permit] due to non-payment of fees. BERG

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Business ownership information was verified. Facility has 4 employees. Facility is a gas station and generates waste absorbent from gasoline spills. No hazardous waste observed on site during inspection. As a Small Quantity Generator (SQG) of hazardous waste you must: -label all hazardous waste containers/tanks -keep hazardous waste containers/tanks closed except when in use -maintain hazardous waste manifest/consolidated manifest on site for a minimum of three years -do not store hazardous waste on site greater than 180 days -maintain an EPA ID number -maintain contingency plan

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-08-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Read/review HMBEP re submittal. 2015 HMBEP submittal is accepted.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-29-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-30-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and declined documents submitted to E-submit on 5/17/16. Accepted revised documents submitted today after corrections were made during onsite inspection.

Eval Division: Orange County Environmental Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-01-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Correct all violations immediately. This facility is required to electronically submit UST Forms and has been previously notified by a report from this Agency dated 1/02//2014. Forms can be submitted electronically at www.esubmit.ocgov.com (first request and obtain a username and password). User guides and tutorials are located on the home page to help you get started. If you are having trouble, please contact 714 433 6000. Also, our Agency hosts an G e-Submit LabG that is available at our facility for UST owners and operators to learn to navigate the e-Submit portal. An information sheet for this is attached to this report. I was on site to conduct a routine inspection at a scheduled monitoring system certification being performed by Orange County Tank Testing. The technician on site, Martin Schwartz, showed me his ICC UST Service Technician certification card with expiration date of 4/04/2015 and his Veeder Root certified technician card with expiration date of [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection. Consent to enter and inspect granted by Dale Perkins. Observed the shop area, waste storage area, perimeter of facility and trash container. Drums of wastes are covered and labeled. Wastes include oil, coolant, and oil filters. Manifests for waste disposal are available for review. Complete the emergency response label and post in the facility. Verified the owner as L' Inc D' Aline Corp.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-02-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This agency received and reviewed the monitor certification and spill bucket tests dated 6/30/15. The results indicate all components passed.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-10-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Review site status for outstanding violations for permit.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-19-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Entered tank detail for UST permit to be issued.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-24-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: open HMBEP pages individually on e-Submit and print for later review.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-24-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: submission in review
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-05-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: I had reviewed this submittal previously and finished my review yesterday and when I went to enter G REJECTEDG on the portal and enter my comments, I noticed that the status had been changed to G REJECTED.G I did not make this change, although the reviewerG s name was listed as G OG Donnell, Mike,G and there was no review date listed or any comments. I always enter my name as the reviewer as G MICHAEL OG DONNELLG (all capitals, first name followed by last name), so I suspect someone else made this entry. I then changed the status to G REJECTEDG and entered the following: G The BUSINESS ACTIVITIES form does not indicate the EPA IDENTIFICATION NUMBER; list that number here. Regarding CHEMICAL INFORMATION G CHEMICAL NAME: LEAD ACID BATTERY; - Federal Hazard Categories G do not list REACTIVE; also, list G CHRONIC HEALTH.G Regarding CHEMICAL INFORMATION G CHEMICAL NAME: PROPANE; -PHYSICAL STATE G should be GAS, not LIQUID. -HAZARDOUS MATERIAL TYPE G should be PURE, not [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-23-2013
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Eval Type: Other, not routine, done by local agency
Eval Notes: Partial review of plan #SR0122611, but this SR number is not input into Envirovision yet.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-27-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site to witness monitoring system certification testing activities and to conduct routine UST inspection. Verified technician's certifications. The technician, Martin Schwartz, with Orange County Tank Testing was current on his certifications (ICC, VMI, and Vedeer Root) Fuel tanks' annular sensors (wet) alarmed properly (visual and audible) and shut down respective turbine at high and low level. Fuel tanks' sump sensors alarmed properly (visual and audible) and shut down respective turbine when submerged in water, except for the diesel fill sump sensor, and the 87 turbine sump sensor. Failed sensor was replaced (like for like) during the inspection and passed when tested. UDC sensors alarmed properly (visual and audible) and shut down all turbines with submerged in water. Waste oil tank's annular, sump and overflow sensors alarmed (visual and audible) when submerged in water. The waste oil tank's annular sensor was noted in the DO reports to have alarmed [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-29-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTOR COMMENTS: On site for a routine hazardous waste inspection. Consent to enter and conduct inspection activities was provided by Moe, Cashier. Business ownership information was verified. The current number of employees is 3. Walked throughout the facility. Observed hazardous waste storage areas. Facility manages gasoline spills with absorbent, no hazardous waste container on site for waste absorbent. Facility owns underground hazardous waste storage tank; tank is being used and managed by tenant to store used oil. Employees are reported to be trained. Emergency plan is inside shop. A perimeter walk was conducted and the dumpster enclosure was observed. No evidence of illegal dumping was noted. EPA ID number CAL000351744 is currently showing as inactive through the Department of Toxic Substances Control (DTSC) website. Reactivate or obtain a new EPA ID number, more information can be found on DTSC's website at <http://www.dtsc.ca.gov/IDManifest/>.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-30-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Eval Notes: Reviewed file in preparation for onsite inspection.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-01-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Prepped for A01: reviewed main file, ran Report 7800 and reviewed, checked on e-Submit and CERS and found no submittals.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-01-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: A routine hazardous waste inspection was conducted. The garage operator, Don Perkins, granted me permission to inspect and accompanied me on the inspection. The service bays, rear of store, outside perimeter area, hazardous waste storage area outside, behind the store, and trash dumpster were inspected. No hazardous waste observed in dumpster. Manifests for disposal of hazardous waste were available for review. A hazardous waste emergency response plan was posted on the wall of the service bay, and absorbent material for spill response was maintained on site.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-02-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Abated violations in EC that were corrected on site during inspection; also, updated waste stream page.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-05-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector Comments: I received a copy of Monitoring System Certification and Mechanical Line Leak Detector Test Data Chart for activities conducted on 6/30/16. All components passed test. Spill Bucket Testing Report Form will be included with the secondary containment testing results since it was conducted on the same day.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-08-2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Visited site, discussed report from 7/01/2014, and got signature of manager.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-12-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The following documents were received by this agency: - Monitoring System Certification (dated 6/27/2019) - Spill Container Testing Report (dated 6/27/2019) - Overfill Prevention Equipment Inspection Report (dated 6/27/2019) Results indicate all components have been tested and PASSED. In addition, results indicate that the VR208 sensor in the Used Oil fill sump has been replaced, tested, and passed. Violation I188 has been corrected. To date, the following violations cited on the routine inspection report dated 6/27/2019 remain uncorrected: (1) Violation I003 - The Tank Pages/Monitoring Plan for all tanks in CERS are inaccurate. Refer to the CERS comments for corrective actions. Update and resubmit via CERS. (2) Violation I583 - Submit evidence of financial responsibility (i.e. insurance policy, documentation, etc.) to both the facility and this agency. (3) Violation I106 - Provide a copy to this agency of the most recent DO inspection report with the [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-15-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed HazMat/BEP status: -Not submitted to e-Submit -Not submitted to CERS -PR# in EC.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-18-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This agency received and reviewed the SB989 test results dated 6/30/16. The results indicate all components passed.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-29-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Rejected portal submittal is conditionally accepted prior to CERS transfer. 7/29/16 This submittal is being conditionally approved in

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

order to facilitate transfer of data to California Electronic Reporting System (CERS) database. Do not make any additional submittals to the eSubmit portal. All future submittals must be made to the CERS database. Your previously declined comments are below (dated 5/19/16). Any questions, please feel free to contact me at minh.le@ochca.com or 714-720-1327. Thank you. Minh Le. 5/19/16 Please do not resubmit without making the required changes to the submittal. Facility Page: please provide the facility BOE number and mechanism for financial responsibility Tank Pages: Tank ID number is required. Do not use unknown. You may use the number on the permit to operate, shortened to the last 3 digits, if desired. Tank configuration: site has stand-alone tanks. Overfill prevention is audible/visual alarms. The [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-04-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: submission under review.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-25-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and approved plans, called applicant and left message that plans are at our front desk to be picked up.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-11-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Closed SR in EC, printed Report 7095 and submitted with plans. Construction per SR0122611 is now complete, so I changed the status of SR0122611 in EC from G ActiveG to G Complete.G

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-31-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Duplicate submittal found in E-Submit. Deleted submission under the UST PA link dated 3/2/15 @12:09AM.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for routine inspection following change of ownership. Facility has the following Underground Storage Tanks (USTs): -one 10,000 gallon tank of each 87, 89 and 91 -one 10,000 gallon tank of diesel -one 550 gallon used oil tank The monitoring system was last certified on 06/27/2018. The monitoring system must be certified every 12 months. Facility uses the external audible/visual alarms for overfill prevention. Overfill was last tested during the monitoring system certification on 06/27/2018. Overfill prevention equipment must be tested every 36 months. Secondary containment testing (SB-989) was last conducted on 06/30/2016. SB-989 testing must be conducted every 36 months.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-12-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Read/review HMBEP re submittal. 2015 HMBEP submittal is accepted.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-14-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-02-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received phone call from site contact Mike stating that he made requested changes in portal to correct violations. Review of forms in portal shows no changes have occurred to the CFR and plot plan. Will discuss with supervisor.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-04-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Emailed Mike Palazzola to contact site to help rectify portal issues they are having. Discussed with supervisor to issue permit due to portal problems and no other outstanding violations.
Eval Division: Orange County Environmental Health

Map ID
Direction
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Elevation

MAP FINDINGS

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A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-12-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-29-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-29-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: INSPECTOR COMMENTS: On site for routine hazardous materials and Hazardous Materials Business Emergency Plan (HMBEP) inspection. Consent to enter and conduct inspection activities was provided by Moe, Cashier. Observed the facility and inspected hazardous materials storage. The minimum disclosure thresholds for the HMBEP program are 55 gallons of a liquid, 500 pounds of a solid or 200 cubic feet of a compressed gas. The following materials were observed in amounts that meet or exceed the minimum volumes required for disclosure: -Diesel: 10,000 gallons -Gasoline: 30,000 gallons -Waste Oil: 500 gallons Business emergency plan has not yet been submitted. A violation was issued for the HMBEP. Annual employee safety training records were available and reviewed. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-29-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site to witness monitoring system certification testing activities and to conduct routine UST inspection. Fuel tanks' annular sensors (wet) alarmed properly (visual and audible) and shut down respective turbine at high and low level. Fuel tanks' sump sensors alarmed properly (visual and audible) and shut down respective turbine when submerged in water, except for the diesel turbine sump sensor. Failed sensor was replaced (like for like) during the inspection and passed when tested. UDC sensors alarmed properly (visual and audible) and shut down all turbines when submerged in water. Waste oil tank's

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A & M BUSINESS ENTERPRISES, INC. (Continued)

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annular, sump and overfill sensors alarmed, both visual and audible, when submerged in water. Fail-safe and sensor out were tested and passed. Line leak detectors were tested and passed. ATGs were tested and passed test with the enunciator functioning properly. Spill buckets were tested visually with without any changes in water level. Designated [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-02-2014
Violations Found: No

Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed status of HMBEP submission on E-Submit Portal/CERS and found that no submittal as of today. Request for resubmittal this date. Reviewed status of electronic submittal of HMBEP forms and found no submittal as of today. Facility is required and has been notified to electronically submit Hazardous Materials Business Emergency Plans and Chemical Inventory Forms by 2/01/2014. Facility can submit forms electronically by going to www.esubmit.ocgov.com and requesting a username and password. User guides and tutorials are located on the home page to help you get started. If you are having trouble, please contact 714-433-6000.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-19-2016
Violations Found: No

Eval Type: Other, not routine, done by local agency
Eval Notes: UST submittal declined in portal due to: Please do not resubmit without making the required changes to the submittal. Facility Page: please provide the facility BOE number and mechanism for financial responsibility Tank Pages: Tank ID number is required. Do not use unknown. You may use the number on the permit to operate, shortened to the last 3 digits, if desired. Tank configuration: site has stand-alone tanks. Overfill prevention is audible/visual alarms. The tanks are not exempt. Waste oil tank has an audible/visual alarm. Uncheck the exempt box. Product piping: the site has double-walled fiberglass piping for all fuel tanks. The piping secondary is fiberglass. Waste oil tank does not have pressurized piping. It uses gravity piping. The regular grade tank has a single-walled containment sump, not double-walled. Waste oil tank has a vent pipe, likely fiberglass. The fill riser for the waste oil tank has a steel primary and fiberglass [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-20-2015
Violations Found: No

Eval Type: Other, not routine, done by local agency
Eval Notes: Review violation status for warning letter. Violations remain outstanding.

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A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-13-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-14-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: SB 989 test notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-01-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Checked on e-Submit and CERS and found no submittals.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-03-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Change UST status to get a permit, per James
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-08-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Visited site, discussed report from 7/01/2014, and got signature of manager.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-22-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Enter Leak Detection method for tanks
Eval Division: Orange County Environmental Health
Eval Program: UST

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A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-22-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The business has submitted the following documents: - A copy of the latest DO inspection report (dated 7/1/2019) - A copy of the Facility Employee Training Certificate - A copy of the UST insurance policy (valid from 11/16/2018 to 11/16/2019) - Monitoring Plan for each tank via CERS To date: (1) The provided DO inspection report dated 7/1/2019 has been completed with correct testing dates. Violation I106 has been corrected. (2) The insurance policy has been reviewed and verified to be valid. Verification is required to ensure that a copy of the document has been provided to the facility and available onsite. Violation I583 remains uncorrected. (3) The employee training certificate has been reviewed. Records show that only one employee has been trained. Violation I651 remains uncorrected. (4) The Monitoring Plans for each tank have been reviewed and accepted via CERS. Violation I003 has been corrected. ***CORRECTIVE ACTION REQUIRED***
(1) [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-24-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: open UST pages individually on e-Submit and print for later review. Also, the following document received 7/23/2014 was ACCEPTED on the ESubmit Portal: -Designated Operator form.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-01-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: submission in review
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-15-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The purpose of this offsite reinspection is to follow up on the outstanding violations noted on the 7/22/2019 reinspection report. The business has provided training records showing that more than one employee has been trained. Azmi Katylo (Owner) has provided confirmation via e-mail indicating that a copy of the training records have been provided to the facility and are available onsite. Violation I651 has been corrected. Mr. Katylo has also provided confirmation via e-mail indicating that a copy of the UST insurance policy has been

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A & M BUSINESS ENTERPRISES, INC. (Continued)

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provided to the facility and is available onsite. Violation I583 has been corrected. The business has corrected all outstanding violations. No violations remain under the Underground Storage Tank program. A copy of this inspection report will be sent to: - Azmi Katylo, Owner <akatylo@yahoo.com> - Lance York, UST Operators of Southern California <lance.york@ustoperators.com>

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-29-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-29-2013
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: This Agency received a secondary containment testing report dated 7/02/2013 with the following results: -"WET ANNULARS" for 87 tank's annular testing; -"WET ANNULARS" for 89 tank's annular testing; -"WET ANNULARS" for 91 tank's annular testing; -"WET ANNULARS" for diesel tank's annular testing; -"PASS" for waste oil tank's annular testing; -"PASS" for 87 tank's secondary product pipe testing; -"PASS" for 89 tank's secondary product pipe testing; -"PASS" for 91 tank's secondary product pipe testing; -"PASS" for diesel tank's secondary product pipe testing; A comment on this page or report was G replaced 91 secondary test boot. Old boot was split and cracked.G -"VISUAL FAIL" for 87 tank's piping sump testing; -"PASS" for 89 tank's piping sump testing; -"VISUAL FAIL" for 91 tank's piping sump testing; -"PASS" for diesel tank's piping sump testing; Comments on this page of report were: G 87 & 91 sump were not tested. Visual fails. Both 87 & 91 piping [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-31-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-29-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Declined UST submittal in portal due to: Tank Pages: Tank ID number is required. Do not use G unknownG . You may use the number on the permit

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A & M BUSINESS ENTERPRISES, INC. (Continued)

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to operate, shortened to the last 3 digits, if desired. Tank configuration: site has stand-alone tanks. Overfill prevention is audible/visual alarms. The tanks are not exempt. Waste oil tank has an audible/visual alarm. Uncheck the exempt box. Product piping: the site has double-walled fiberglass piping. The piping secondary is fiberglass. Waste oil tank has a vent pipe, likely fiberglass. The fill riser for the waste oil tank has a steel primary and fiberglass secondary. Please verify if a vent transition box is installed. Agency files do not indicate one is installed. Fill riser primary is steel, secondary is fiberglass. Fill components installed include spill bucket and containment sump, in addition to striker plate. UDC is single-walled, not double-walled. Corrosion protection is [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility is a gas station and stores the following materials in Underground Storage Tanks: -Gasoline, three 10,000 gallon tanks (87, 89, 91) -Diesel, one 10,000 gallon tank -Used Oil, one 550 gallon tank

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-03-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following documentation has been reviewed and accepted: -Monitoring Plan Violation I582 has been corrected. To date facility has not provided a copy of the Certification of Financial Responsibility (CFR), training records from Designated Operator and copy of monitoring plan to this agency. Violations I583, I651 and I421 remain outstanding. Provide the above documentation to this agency to correct outstanding violations.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-11-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification for 6-29
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-12-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health

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A & M BUSINESS ENTERPRISES, INC. (Continued)

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Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-20-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: During the 04/14/2019 on site inspection the following was observed:
-Employees have not received initial/annual training covering safety procedures in the event of a release or threatened release of a hazardous material To date training records have not been received by this agency; violation I239 remains outstanding. Provide a copy of the employee safety training to this agency immediately.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-20-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: To date the following documentation has not been provided to this agency: -Certification of Financial Responsibility -Underground Storage Tank Facility Employee Training Certificate -Monitoring Plan Violations I583, I651 and I421 remain outstanding. Provide the above documentation to this agency immediately.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-22-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Change UST status to not get a permit, per Nofal.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-25-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CFR declined in portal due to: Please include the coverage period (dates) for insurance coverage. "Annual" is not sufficient.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-25-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: DO owners statement accepted in portal. DO = Martin Schwartz, Rich Ruston, and Tony Jones

Eval Division: Orange County Environmental Health
Eval Program: UST

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A & M BUSINESS ENTERPRISES, INC. (Continued)

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Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	05-29-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Site review of violations for questions from contact, review portal if submittal complete.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-09-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Change UST permit status to get a permit, per Nofal.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-12-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	receive notification of mon. cert 7/01/2014 - put on calendars
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-27-2019
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	On site for routine UST inspection, monitoring system certification, overfill prevention testing, and spill bucket testing. The facility has the following double-walled tanks: - Regular gasoline (87): 10,000 gallons - Midgrade gasoline (89): 10,000 gallons - Premium gasoline (91): 10,000 gallons - Diesel: 10,000 gallons - Used oil: 550 gallons All tanks are monitored by a Veeder Root/Simplicity TLS-350R system. Turbine sumps, fill sumps, and UDCG s (87/89/91/D) are monitored by VR208 sensors; annulars are monitored by VR303 sensors. Used oil tank monitored by VR208 and 420 sensors; annular is monitored by 407 sensor. The site has double-walled pressurized piping with electronic line leak detectors (PLLD). Positive shutdown and failsafe were performed and verified. External audible/visual alarms (ATG) are used for overfill prevention. Testing was conducted by Martin Schwartz of Orange County Tank Testing. Tester Certifications (VR, ICC, VMI) [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-28-2018
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency

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A & M BUSINESS ENTERPRISES, INC. (Continued)

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Eval Notes: Inspection Comments: On site on 6/27/2018 to witness monitoring system certification testing activities and to conduct routine UST inspection. Designated operator (DO) statement was not available on site and has not been submitted electronically. A DO statement must be submitted electronically to the California Environmental Reporting System (CERS) immediately. A follow-up inspection will be conducted within 30 days.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a monitor certification and routine inspection. This site has 4 double walled tanks with double walled piping and 4 dispensers. All turbine sump, fill sump, annular and UDC sensors alarm and shut down turbines. The Veeder Root monitor was tested for fail-safe and sensor-out. The waste oil tank annular, sump, and overfill sensors were tested for alarm. The line leak detectors were tested and passed. Spill buckets were visually tested and passed. The overfill alarms were tested for 90 percent overfill and passed. Technician certifications are current. The following documents are on site and available for review: - Designated operator statement - expiration dated 10/18/16 - DO monthly inspections with alarm history attached - Facility employee training records dated 4/13/15 - Spill and alarm logs - Monitor certification dated 7/1/14 - SB989 test results dated 7/2/13 and 12/4/13 - Spill bucket test results dated 7/1/14 - Service tickets, work orders - [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-30-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector Comments: On site to conduct hazardous materials chemical inventory and business emergency plan inspection. I walked through the facility, perimeter and inspected hazardous material storage area. Facility has the following hazardous materials that meet the required disclosure quantities: - 55 gallons of used antifreeze - 55 gallons of ATF - 660 gallons of used oil (underground tank & drums) - 10000 gallons of diesel - 30000 gallons of gasoline All required HMBP documents were submitted to E-submit and corrected/updated during the inspection. Business emergency plan is available on site.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-30-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector Comments: On site to witness monitoring system certification testing activities and to conduct routine UST inspection. Fuel tanks'

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A & M BUSINESS ENTERPRISES, INC. (Continued)

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Annular sensors (wet) alarmed properly (visual and audible) and shut down respective turbine at high and low level. Fuel tanks' sump sensors alarmed properly (visual and audible) and shut down respective turbine when submerged in water. UDC sensors alarmed properly (visual and audible) and shut down all turbines when submerged in water. Waste oil tank's annular, sump and overfill sensors alarmed, both visual and audible, when submerged in water. Fail-safe, sensor out and emergency shut off were tested and passed. Line leak detectors were tested and passed. ATGs were tested and passed test with the enunciator functioning properly. Spill buckets were tested visually with all passing except for the 91. The 91 spill bucket was replaced during the inspection and passed when retested. Valid permit, designated [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-30-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following documents were received and ACCEPTED on CERS: -Business Activities -Business Owner/Operator -Chemical Inventory -Facility Site Map -Emergency Response & Training Plans

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-01-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Prepped for A01: ran Report 7800 and reviewed.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a monitor certification and routine inspection. This site has 4 double walled fuel tanks with double walled piping with 4 dispensers and 1 waste oil tank. All turbine sump, fill sump, annular, and UDC sensors alarm and shut down turbines. The Veeder Root was tested for fail-safe and sensor-out. The waste oil tank annular, sump, and overfill sensors were tested for alarm. The spill buckets were being tested today as part of the SB989 testing. Electronic line leak detectors were tested and passed. The overfill alarms were tested and passed. All technician certifications verified. The following documents are current and available for review: - Certification of financial responsibility dated 11/20/12 - Owner statements of designated UST operator (DO) - expiration dated 10/26/14 - DO monthly inspection reports with alarm history - Employee training records - Spill and alarm logs - Monitor certification dated 7/30/12 - SB989 dated 8/5/10, 7/7/10 - Spill [Truncated]

Eval Division: Orange County Environmental Health

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A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-02-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This facility is required to electronically submit UST Forms and has been previously notified by a report from this Agency dated 1/02//2014. Forms can be submitted electronically at www.esubmit.ocgov.com (first request and obtain a username and password). User guides and tutorials are located on the home page to help you get started. If you are having trouble, please contact 714 433 6000. Also, our Agency hosts an G e-Submit LabG that is available at our facility for UST owners and operators to learn to navigate the e-Submit portal. An information sheet for this is attached to this report. This facility has not submitted UST forms electronically, as required. Mike Hanna, on site manager, explained to me on 7/01/2014 during a routine UST inspection that he has obtained a user name and password for our AgencyG s e-Submit portal, but has had difficulties submitting the forms. I explained our AgencyG s G e-Submit LabG that is available at our facility for UST owners and [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-05-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	I received a copy of Monitoring System Certification and Spill Bucket Testing Report Form for activities conducted on 6/29/17. All components passed test.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-19-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This agency received and reviewed the monitor certification dated 7/2/13. The results indicate all components passed.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-25-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The Certification of Financial Responsibility form submitted 7/23/2014 was DENIED for the following reasons: - \$500,000 dollars per occurrence is indicated, but for petroleum marketers \$1,000,000 is the minimum requirement per occurrence. - complete address of facility is not indicated, as the city is not listed. Request for an updated document made.

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A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-08-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Submittal on e-Portal reviewed and DECLINED for the following reason:
FACILITY page G must add Board Of Equalization (BOE) number. All TANK
INFORMATION pages G must add TANK ID# (BOX #432) MONITORING PLAN G
must upload a SITE PLOT PLAN into the portal; must indicate in Section
V if have mechanical or electronic line leak detectors; must indicate
on Section VI whether UDC is single-walled or double-walled; also, put
comment in Box #99 G no leak detector in waste oil tank.G

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-17-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This Agency received a monitoring system certification dated 7/01/2014
for the Veeder Root TLS 350 monitoring system. The following equipment
for the fuel tanks was certified to have been inspected/serviced in
accordance with manufacturer's guidelines and was operational per
manufacturer's specifications: in tank gauging probes; annular space
sensors; piping sump sensors; fill sump sensors; electronic line leak
detectors; tank overfill/high level sensors; dispenser containment
sensors; and, shear valves. The following equipment for the waste oil
tank was certified to have been inspected/serviced in accordance with
manufacturer's guidelines and was operational per manufacturer's
specifications: annular space sensor; fill sump sensor; and, high
level sensor. Also included was a leak detector test data chart dated
7/01/2014 with results for all leak detectors G PASS,G a spill bucket
testing report form dated 7/01/2014 with all results G PASS,G and a
plot plan of facility [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-31-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Most required UST document were submitted electronically to this
Agency's e-SubmitG portal; Violations #TR02, TR05, TR06, TR07, and
TR10 are now corrected. Violation #TR08 remains uncorrected: Submit a
monitoring plot plan via an approved electronic submission portal.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-02-2013
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Eval Type: Other, not routine, done by local agency
Eval Notes: SB 989 retest notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-20-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Document review in Portal CFR submitted on 3/1/15 declined due to incomplete mechanism information (policy number and coverage period not specified). Designated Operator: OCTT personnel. Approved

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-04-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: I was on site today for our Agency's plan #SR0122611. The Scope of Work for these plans is: 1) Replace damaged penetration fittings in 87, 89, and 91 fill sumps with Bravo fiberglass retrofit fittings. 2) Replace damaged penetration fittings in 87, 89, and 91 STP spill sumps with Bravo fiberglass retrofit fittings. 3) Perform SB989 secondary containment testing on all repaired sumps. On site, I observed new Bravo fiberglass retrofit fittings for the penetration fittings in 87, 89, and 91 fill sumps and STP sumps. I also witnessed static water testing of the sumps that had repairs. An INCON STS Sump Test System was used, and test intervals were for 15 minutes. The testing technician on site was Steve Loera of Clean Air Testing, and he showed me a current ICC Service Technician card and Franklin-INCON Sump Test System Operation certification card. Results of testing of all repaired sumps were G PASSG for two consecutive tests. Construction per SR0122611 is now [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Coordinates:
Site ID: 423941
Facility Name: A & M BUSINESS ENTERPRISES, INC.
Env Int Type Code: HMBP
Program ID: 10565881
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.747640
Longitude: -117.834180

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Lance York
Entity Title: Not reported
Affiliation Address: 21352 SILVERTREE LN.
Affiliation City: TRABUCO CANYON

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92679
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 320 N. TUSTIN AVE
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: LANCE YORK
Entity Title: DESIGNATED OPERATOR
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Tank Operator
Entity Name: A & M BUSINESS ENTERPRISES, INC.
Entity Title: Not reported
Affiliation Address: 320 N. TUSTIN AVE.
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92705
Affiliation Phone: (714) 285-9411

Affiliation Type Desc: Document Preparer
Entity Name: LANCE YORK
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: A & M BUSINESS ENTERPRISES, INC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (714) 815-8920

Affiliation Type Desc: Parent Corporation
Entity Name: US GAS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: KATYLO 4, LLC
Entity Title: Not reported
Affiliation Address: 320 N TUSTIN AVE
Affiliation City: SANTA ANA
Affiliation State: AA
Affiliation Country: United States
Affiliation Zip: 92705
Affiliation Phone: (714) 815-8920

Affiliation Type Desc: UST Property Owner Name
Entity Name: KATYLO 4, LLC
Entity Title: Not reported
Affiliation Address: 320 N. TUSTIN AVE.
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92705
Affiliation Phone: (714) 815-8920

Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer RoadSuite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6406

Affiliation Type Desc: Legal Owner
Entity Name: A & M BUSINESS ENTERPRISES, INC.
Entity Title: Not reported
Affiliation Address: 320 N. TUSTIN AVE
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92705
Affiliation Phone: (714) 815-8920

Affiliation Type Desc: UST Permit Applicant
Entity Name: Jhon Haddadin
Entity Title: President
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 307-6014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A & M BUSINESS ENTERPRISES, INC. (Continued)

S113467970

Affiliation Type Desc: UST Tank Owner
Entity Name: KATYLO 4, LLC
Entity Title: Not reported
Affiliation Address: 320 N. TUSTIN AVE.
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92705
Affiliation Phone: (714) 815-8920

HWTS:

Name: SHELL TUSTIN AUTO SERVICE
Address: 320 N TUSTIN AVE
Address 2: Not reported
City,State,Zip: SANTA ANA, CA 927053823
EPA ID: CAL000351744
Inactive Date: 06/30/2013
Create Date: 04/19/2010
Last Act Date: 03/26/2014
Mailing Name: Not reported
Mailing Address: 15402 FICUS ST
Mailing Address 2: Not reported
Mailing City,State,Zip: CHINO HILLS, CA 917090000
Owner Name: L'INC D'ALINE CORPORATION
Owner Address: 320 N TUSTIN AVE
Owner Address 2: Not reported
Owner City,State,Zip: SANTA ANA, CA 927053823
Contact Name: Z JOHN HADDADIAN / PRESIDENT
Contact Address: 15402 FICUS ST
Contact Address 2: Not reported
City,State,Zip: CHINO HILLS, CA 917093849

NAICS:

EPA ID: CAL000351744
Create Date: 2010-04-19 11:31:27.367
NAICS Code: 44719
NAICS Description: Other Gasoline Stations
Issued EPA ID Date: 2010-04-19 11:31:27.33300
Inactive Date: 2013-06-30 00:00:00
Facility Name: SHELL TUSTIN AUTO SERVICE
Facility Address: 320 N TUSTIN AVE
Facility Address 2: Not reported
Facility City: SANTA ANA
Facility County: Not reported
Facility State: CA
Facility Zip: 927053823

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G45
NE
1/8-1/4
0.207 mi.
1093 ft.
A & M BUSINESS ENTERPRISES INC SHELL
320 N TUSTIN AVE
SANTA ANA, CA 92705
Site 6 of 16 in cluster G

UST
U004189816
N/A

Relative:
Higher

UST:

Actual:
144 ft.

Name: A & M BUSINESS ENTERPRISES, INC.
Address: 320 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
Facility ID: FA0053827
Permitting Agency: Orange County Environmental Health
Latitude: 33.74764
Longitude: -117.83418

ORANGE CO. UST:

Name: A & M BUSINESS ENTERPRISES INC SHELL
Address: 320 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
Facility ID: FA0053827

G46
NE
1/8-1/4
0.207 mi.
1093 ft.
LEGION AUTO GROUP
320 N TUSTIN AVE
SANTA ANA, CA 92705
Site 7 of 16 in cluster G

RCRA NonGen / NLR
1024858219
CAL000424020

Relative:
Higher

RCRA NonGen / NLR:

Actual:
144 ft.

Date Form Received by Agency: 2019-04-08 00:00:00.0
Handler Name: LEGION AUTO GROUP
Handler Address: 320 N TUSTIN AVE
Handler City,State,Zip: SANTA ANA, CA 92705
EPA ID: CAL000424020
Contact Name: LEGION AUTO
Contact Address: 320 N TUSTIN AVE
Contact City,State,Zip: SANTA ANA, CA 92705
Contact Telephone: 714-997-5825
Contact Fax: Not reported
Contact Email: LEGIONAUTOGROUPCA@ATT.NET
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: PO BOX 6433
Mailing City,State,Zip: ORANGE, CA 92863
Owner Name: MARYAM PAKDELAN
Owner Type: Other
Operator Name: LEGION AUTO
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LEGION AUTO GROUP (Continued)

1024858219

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-04-17 18:51:56.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:
Owner/Operator Name:
Legal Status:

Owner
MARYAM PAKDELAN
Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LEGION AUTO GROUP (Continued)

1024858219

Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 320 N TUSTIN AVE
Owner/Operator City,State,Zip: ORANGE, CA 92705
Owner/Operator Telephone: 714-997-5825
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: LEGION AUTO
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 320 N TUSTIN AVE
Owner/Operator City,State,Zip: SANTA ANA, CA 92705
Owner/Operator Telephone: 714-997-5825
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2019-04-08 00:00:00.0
Handler Name: LEGION AUTO GROUP
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
G47	LEGTION AUTO SERVICES	RCRA NonGen / NLR	1025872101
NE	320 N TUSTIN AVE		CAL000445221
1/8-1/4	SANTA ANA, CA 92705		
0.207 mi.			
1093 ft.	Site 8 of 16 in cluster G		
Relative:	RCRA NonGen / NLR:		
Higher	Date Form Received by Agency:	2019-04-15 00:00:00.0	
	Handler Name:	LEGTION AUTO SERVICES	
Actual:	Handler Address:	320 N TUSTIN AVE	
144 ft.	Handler City,State,Zip:	SANTA ANA, CA 92705	
	EPA ID:	CAL000445221	
	Contact Name:	RAY PAKDELAN	
	Contact Address:	320 N TUSTIN AVE	
	Contact City,State,Zip:	SANTA ANA, CA 92705	
	Contact Telephone:	714-997-5825	
	Contact Fax:	Not reported	
	Contact Email:	LEGIONAUTOSERVICES@GMAIL.COM	
	Contact Title:	Not reported	
	EPA Region:	09	
	Land Type:	Not reported	
	Federal Waste Generator Description:	Not a generator, verified	
	Non-Notifier:	Not reported	
	Biennial Report Cycle:	Not reported	
	Accessibility:	Not reported	
	Active Site Indicator:	Handler Activities	
	State District Owner:	Not reported	
	State District:	Not reported	
	Mailing Address:	195 EUCALYPTUS DR	
	Mailing City,State,Zip:	ANAHEIM, CA 92808	
	Owner Name:	SAKINEH ZAHEDTALAB	
	Owner Type:	Other	
	Operator Name:	RAY PAKDELAN	
	Operator Type:	Other	
	Short-Term Generator Activity:	No	
	Importer Activity:	No	
	Mixed Waste Generator:	No	
	Transporter Activity:	No	
	Transfer Facility Activity:	No	
	Recycler Activity with Storage:	Yes	
	Small Quantity On-Site Burner Exemption:	No	
	Smelting Melting and Refining Furnace Exemption:	No	
	Underground Injection Control:	No	
	Off-Site Waste Receipt:	No	
	Universal Waste Indicator:	Yes	
	Universal Waste Destination Facility:	Yes	
	Federal Universal Waste:	No	
	Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site Converter Treatment storage and Disposal Facility:	Not reported	
	Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site State-Reg Handler:	---	
	Federal Facility Indicator:	Not reported	
	Hazardous Secondary Material Indicator:	N	
	Sub-Part K Indicator:	Not reported	
	Commercial TSD Indicator:	No	
	Treatment Storage and Disposal Type:	Not reported	
	2018 GPRA Permit Baseline:	Not on the Baseline	
	2018 GPRA Renewals Baseline:	Not on the Baseline	
	Permit Renewals Workload Universe:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LEGTION AUTO SERVICES (Continued)

1025872101

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-06-28 17:26:56.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	RAY PAKDELAN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	320 N TUSTIN AVE
Owner/Operator City,State,Zip:	SANTA ANA, CA 92705
Owner/Operator Telephone:	714-997-5825
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SAKINEH ZAHEDTALAB
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	195 EUCALYPTUS DR
Owner/Operator City,State,Zip:	ANAHEIM, CA 92808
Owner/Operator Telephone:	714-997-5825
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LEGTION AUTO SERVICES (Continued)

1025872101

Historic Generators:

Receive Date:	2019-04-15 00:00:00.0
Handler Name:	LEGTION AUTO SERVICES
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811111
NAICS Description:	GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

G48
NE
1/8-1/4
0.207 mi.
1093 ft.

SHELL OIL SERVICE STATION (FORMER TEXACO)
320 TUSTIN AVENUE, N.
SANTA ANA, CA
Site 9 of 16 in cluster G

LUST
Cortese
CERS
S106387376
N/A

Relative:
Higher

Actual:
144 ft.

LUST REG 8:

Name:	SHELL OIL SERVICE STATION (Former Texaco)
Address:	320 TUSTIN AVENUE, N.
City:	SANTA ANA
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083003978T
Local Case Num:	Not reported
Case Type:	Aquifer affected
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	4TH ST.
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	SAS
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0605953807
How Stopped Date:	Not reported
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL OIL SERVICE STATION (FORMER TEXACO) (Continued)

S106387376

Date Preliminary Assessment Began:	Not reported
Discover Date:	1/30/2003
Enforcement Date:	Not reported
Close Date:	1/6/2005
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	1/30/2003
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.74788491
Longitude:	-117.8345973
MTBE Date:	3/14/2003
Max MTBE GW:	78
MTBE Concentration:	1
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	Not reported
Staff:	CAB
Staff Initials:	JB
Lead Agency:	Regional Board
Local Agency:	Santa Ana, Orange County
Hydr Basin #:	Not reported
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

LUST:

Name:	SHELL OIL SERVICE STATION (FORMER TEXACO)
Address:	320 TUSTIN AVENUE, N.
City,State,Zip:	SANTA ANA, CA
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605953807
Global Id:	T0605953807
Latitude:	33.747884912
Longitude:	-117.834597293
Status:	Completed - Case Closed
Status Date:	01/06/2005
Case Worker:	CAB
RB Case Number:	083003978T
Local Agency:	SANTA ANA, CITY OF
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL OIL SERVICE STATION (FORMER TEXACO) (Continued)

S106387376

LUST:

Global Id: T0605953807
Contact Type: Regional Board Caseworker
Contact Name: CARL BERNHARDT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: carl.bernhardt@waterboards.ca.gov
Phone Number: 9517824495

Global Id: T0605953807
Contact Type: Local Agency Caseworker
Contact Name: CHRISTOPHER CIRAULO
Organization Name: SANTA ANA, CITY OF
Address: 1439 S. BROADWAY
City: SANTA ANA
Email: cciraulo@santa-ana.org
Phone Number: Not reported

LUST:

Global Id: T0605953807
Action Type: RESPONSE
Date: 06/20/2005
Action: Soil and Water Investigation Report

Global Id: T0605953807
Action Type: RESPONSE
Date: 06/20/2005
Action: Unauthorized Release Form

Global Id: T0605953807
Action Type: Other
Date: 07/21/2003
Action: Leak Reported

Global Id: T0605953807
Action Type: ENFORCEMENT
Date: 05/20/2003
Action: Staff Letter

Global Id: T0605953807
Action Type: ENFORCEMENT
Date: 05/23/2003
Action: Staff Letter

Global Id: T0605953807
Action Type: RESPONSE
Date: 12/31/2003
Action: Monitoring Report - Quarterly

Global Id: T0605953807
Action Type: ENFORCEMENT
Date: 07/29/2003
Action: * No Action

Global Id: T0605953807

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL OIL SERVICE STATION (FORMER TEXACO) (Continued)

S106387376

Action Type:	RESPONSE
Date:	01/30/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0605953807
Action Type:	ENFORCEMENT
Date:	01/06/2005
Action:	Closure/No Further Action Letter
Global Id:	T0605953807
Action Type:	RESPONSE
Date:	05/02/2007
Action:	Site Assessment Report
Global Id:	T0605953807
Action Type:	RESPONSE
Date:	07/21/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0605953807
Action Type:	Other
Date:	01/30/2003
Action:	Leak Discovery
Global Id:	T0605953807
Action Type:	RESPONSE
Date:	10/01/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0605953807
Action Type:	RESPONSE
Date:	10/30/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0605953807
Action Type:	RESPONSE
Date:	05/09/2003
Action:	Site Assessment Report - Regulator Responded
Global Id:	T0605953807
Action Type:	RESPONSE
Date:	04/30/2003
Action:	Monitoring Report - Other - Regulator Responded
Global Id:	T0605953807
Action Type:	RESPONSE
Date:	04/30/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0605953807
Action Type:	RESPONSE
Date:	07/30/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0605953807
Action Type:	RESPONSE
Date:	11/22/2004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL OIL SERVICE STATION (FORMER TEXACO) (Continued)

S106387376

Action: Request for Closure

Global Id: T0605953807
Action Type: ENFORCEMENT
Date: 06/20/2005
Action: * No Action

LUST:

Global Id: T0605953807
Status: Open - Case Begin Date
Status Date: 01/30/2003

Global Id: T0605953807
Status: Open - Verification Monitoring
Status Date: 01/30/2003

Global Id: T0605953807
Status: Completed - Case Closed
Status Date: 01/06/2005

CORTESE:

Name: SHELL OIL SERVICE STATION (FORMER TEXACO)
Address: 320 TUSTIN AVENUE, N.
City,State,Zip: SANTA ANA, CA
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0605953807
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:

Name: SHELL OIL SERVICE STATION (FORMER TEXACO)
Address: 320 TUSTIN AVENUE, N.
City,State,Zip: SANTA ANA, CA
Site ID: 248982
CERS ID: T0605953807
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL OIL SERVICE STATION (FORMER TEXACO) (Continued)

S106387376

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	CHRISTOPHER CIRAULO - SANTA ANA, CITY OF
Entity Title:	Not reported
Affiliation Address:	1439 S. BROADWAY
Affiliation City:	SANTA ANA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	CARL BERNHARDT - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 MAIN STREET, SUITE 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	9517824495

G49
NE
1/8-1/4
0.207 mi.
1093 ft.

SHELL OIL PRODUCTS US SAP 121786
320 N TUSTIN
SANTA ANA, CA 92705
Site 10 of 16 in cluster G

RCRA-SQG 1000596292
CAD983602574

Relative:
Higher
Actual:
144 ft.

RCRA-SQG:	
Date Form Received by Agency:	2006-10-17 00:00:00.0
Handler Name:	SHELL OIL PRODUCTS US SAP 121786
Handler Address:	320 N TUSTIN
Handler City,State,Zip:	SANTA ANA, CA 92705
EPA ID:	CAD983602574
Contact Name:	DON F WISDOM
Contact Address:	12700 NORTHBOROUGH
Contact City,State,Zip:	HOUSTON, TX 77067
Contact Telephone:	281-874-2238
Contact Fax:	Not reported
Contact Email:	DON.F.WISDOM@SHELL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12700 NORTHBOROUGH
Mailing City,State,Zip:	HOUSTON, TX 77067
Owner Name:	SHELL OIL PRODUCTS US
Owner Type:	Private
Operator Name:	SHELL OIL PRODUCTS US
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL OIL PRODUCTS US SAP 121786 (Continued)

1000596292

Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2006-12-12 18:22:56.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL OIL PRODUCTS US SAP 121786 (Continued)

1000596292

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D018
Waste Description: BENZENE

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: EQUILON
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P O BOX 2099
Owner/Operator City,State,Zip: HOUSTON, TX 77252
Owner/Operator Telephone: 713-241-5036
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SHELL OIL PRODUCTS US
Legal Status: Private
Date Became Current: 1998-08-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: P O BOX 2099
Owner/Operator City,State,Zip: HOUSTON, TX 77252
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SHELL OIL PRODUCTS US
Legal Status: Private
Date Became Current: 1998-08-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2001-03-15 00:00:00.0
Handler Name: TEXACO SERVICE STATION
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL OIL PRODUCTS US SAP 121786 (Continued)

1000596292

Receive Date: 2006-10-17 00:00:00.0
Handler Name: SHELL OIL PRODUCTS US SAP 121786
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 44711
NAICS Description: GASOLINE STATIONS WITH CONVENIENCE STORES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

H50
West
1/8-1/4
0.209 mi.
1101 ft.
92631
1814 E 1ST ST
SANTA ANA, CA 92705
Site 1 of 2 in cluster H

SWEEPS UST
HIST UST
U001578213
N/A

Relative:
Lower

Actual:
133 ft.

SWEEPS UST:
Name: Not reported
Address: 1814 E 1ST ST
City: SANTA ANA
Status: Not reported
Comp Number: 62295
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-020-062295-000001
Tank Status: Not reported
Capacity: 7500
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: 5

Name: Not reported
Address: 1814 E 1ST ST
City: SANTA ANA
Status: Not reported
Comp Number: 62295

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

92631 (Continued)

U001578213

Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-020-062295-000002
Tank Status: Not reported
Capacity: 3000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: Not reported
Address: 1814 E 1ST ST
City: SANTA ANA
Status: Not reported
Comp Number: 62295
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-020-062295-000003
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: Not reported
Address: 1814 E 1ST ST
City: SANTA ANA
Status: Not reported
Comp Number: 62295
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-020-062295-000004
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: Not reported
Address: 1814 E 1ST ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

92631 (Continued)

U001578213

City: SANTA ANA
Status: Not reported
Comp Number: 62295
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-020-062295-000005
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: UNKNOWN
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

HIST UST:

Name: 92631
Address: 1814 E 1ST ST
City,State,Zip: SANTA ANA, CA 92705
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000062295
Facility Type: Gas Station
Other Type: Not reported
Contact Name: PETERSON,ROBERT K
Telephone: 7148354419
Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET
Owner City,St,Zip: SAN FRANCISCO, CA 94105
Total Tanks: 0005

Tank Num: 001
Container Num: 1
Year Installed: 1963
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1963
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000170
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1963
Tank Capacity: 00006000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

92631 (Continued)

U001578213

Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: 1966
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: 1963
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 0000100
Leak Detection: Stock Inventor

H51
West
1/8-1/4
0.209 mi.
1101 ft.

92631
1814 E FIRST ST
SANTA ANA, CA 92705
Site 2 of 2 in cluster H

HIST UST **S118407083**
N/A

Relative:
Lower

Actual:
133 ft.

HIST UST:
Name: 92631
Address: 1814 E FIRST ST
City,State,Zip: SANTA ANA, CA 92705
File Number: 0002E6F7
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002E6F7.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

[Click here for Geo Tracker PDF:](#)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
52 NW 1/8-1/4 0.215 mi. 1133 ft.	KAISER FOUNDATION HOSPITAL-SANTA ANA MEDICAL OFFIC 1900 E 4TH ST SANTA ANA, CA 92705	RCRA NonGen / NLR	1024797471 CAL000188633
Relative: Higher Actual: 141 ft.	RCRA NonGen / NLR: Date Form Received by Agency: 2018-02-28 00:00:00.0 Handler Name: KAISER FOUNDATION HOSPITAL-SANTA ANA MEDICAL OFFICES Handler Address: 1900 E 4TH ST Handler City,State,Zip: SANTA ANA, CA 92705-3962 EPA ID: CAL000188633 Contact Name: CHRISTOPHER B AUSTIN Contact Address: EAST LA PALMA Contact City,State,Zip: ANAHEIM, CA 92806 Contact Telephone: 714-644-7705 x7705 Contact Fax: Not reported Contact Email: CHRISTOPHER.B.AUSTIN@KP.ORG Contact Title: SAFETY COORDINATOR EPA Region: 09 Land Type: Private Federal Waste Generator Description: Not a generator, verified Non-Notifier: Not reported Biennial Report Cycle: 2017 Accessibility: Not reported Active Site Indicator: Not reported State District Owner: Not reported State District: Not reported Mailing Address: E 4TH ST Mailing City,State,Zip: SANTA ANA, CA 92705-3962 Owner Name: KAISER FOUNDATION HOSPITAL Owner Type: Private Operator Name: KAISER FOUNDATION HOSPITAL Operator Type: Private Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No Underground Injection Control: No Off-Site Waste Receipt: No Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported Active Site Converter Treatment storage and Disposal Facility: Not reported Active Site State-Reg Treatment Storage and Disposal Facility: Not reported Active Site State-Reg Handler: --- Federal Facility Indicator: Not reported Hazardous Secondary Material Indicator: N Sub-Part K Indicator: Not reported Commercial TSD Indicator: No Treatment Storage and Disposal Type: Not reported 2018 GPRA Permit Baseline: Not on the Baseline 2018 GPRA Renewals Baseline: Not on the Baseline Permit Renewals Workload Universe: Not reported		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER FOUNDATION HOSPITAL-SANTA ANA MEDICAL OFFICES (Continued)

1024797471

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-11-26 18:57:03.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years

Year: 2017

[Click Here for Biennial Reporting System Data:](#)

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D005
Waste Description:	BARIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D011
Waste Description:	SILVER
Waste Code:	D013
Waste Description:	LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)
Waste Code:	D033
Waste Description:	HEXACHLOROBUTADIENE
Waste Code:	P001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAISER FOUNDATION HOSPITAL-SANTA ANA MEDICAL OFFICES (Continued)

1024797471

Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	KAISER FOUNDATION HOSPITAL
Legal Status:	Private
Date Became Current:	1979-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1 KAISER PLACE
Owner/Operator City,State,Zip:	OAKLAND, CA 94612
Owner/Operator Telephone:	714-644-7705
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	CHRISTOPHER.B.AUSTIN@KP.ORG

Owner/Operator Indicator:	Operator
Owner/Operator Name:	KAISER FOUNDATION HOSPITAL
Legal Status:	Private
Date Became Current:	1979-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1900 E 4TH ST
Owner/Operator City,State,Zip:	SANTA ANA, CA 92705-3962
Owner/Operator Telephone:	714-644-7705
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	CHRISTOPHER.B.AUSTIN@KP.ORG

Historic Generators:

Receive Date:	2018-02-28 00:00:00.0
Handler Name:	KAISER FOUNDATION HOSPITAL-SANTA ANA MEDICAL OFFICES
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	621491
NAICS Description:	HMO MEDICAL CENTERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G53
NE
1/8-1/4
0.216 mi.
1138 ft.
CHEVRON SERVICE STATION
325 TUSTIN AVE. N
SANTA ANA, CA 92705
Site 11 of 16 in cluster G

LUST
Cortese
CERS
S105850459
N/A

Relative:
Higher

Actual:
144 ft.

LUST REG 8:
Name: CHEVRON SERVICE STATION
Address: 325 TUSTIN AVE. N
City: SANTA ANA
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Pollution Characterization
Case Number: 083003914T
Local Case Num: Not reported
Case Type: Other ground water affected
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: IRVINE
Enf Type: NONE
Funding: Not reported
How Discovered: SAS
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global ID: T0605990440
How Stopped Date: Not reported
Enter Date: Not reported
Date Confirmation of Leak Began: Not reported
Date Preliminary Assessment Began: Not reported
Discover Date: 12/11/1998
Enforcement Date: Not reported
Close Date: Not reported
Date Prelim Assessment Workplan Submitted: Not reported
Date Pollution Characterization Began: 4/21/2004
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring: Not reported
Enter Date: Not reported
GW Qualifies: =
Soil Qualifies: =
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 0
Longitude: 0
MTBE Date: 5/3/2004
Max MTBE GW: 570
MTBE Concentration: 1
Max MTBE Soil: 12200
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class: *
Staff: TME
Staff Initials: JB
Lead Agency: Regional Board

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON SERVICE STATION (Continued)

S105850459

Local Agency: Santa Ana, Orange County
Hydr Basin #: Not reported
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

LUST:

Name: CHEVRON #9-7601
Address: 325 TUSTIN AVE. N
City,State,Zip: SANTA ANA, CA 92705
Lead Agency: SANTA ANA RWQCB (REGION 8)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605990440
Global Id: T0605990440
Latitude: 33.747888
Longitude: -117.833718
Status: Completed - Case Closed
Status Date: 07/24/2006
Case Worker: MAO
RB Case Number: 083003914T
Local Agency: SANTA ANA, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0605990440
Contact Type: Local Agency Caseworker
Contact Name: CHRISTOPHER CIRAULO
Organization Name: SANTA ANA, CITY OF
Address: 1439 S. BROADWAY
City: SANTA ANA
Email: cciraulo@santa-ana.org
Phone Number: Not reported

Global Id: T0605990440
Contact Type: Regional Board Caseworker
Contact Name: MIGUEL OVIEDO
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 Main Street, Suite 500
City: RIVERSIDE
Email: miguel.oviedo@waterboards.ca.gov
Phone Number: 9517823238

LUST:

Global Id: T0605990440
Action Type: ENFORCEMENT
Date: 09/27/2004
Action: 13267 Monitoring Program

Global Id: T0605990440
Action Type: Other
Date: 09/19/2000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON SERVICE STATION (Continued)

S105850459

Action:	Leak Reported
Global Id:	T0605990440
Action Type:	ENFORCEMENT
Date:	04/20/2004
Action:	13267 Monitoring Program
Global Id:	T0605990440
Action Type:	RESPONSE
Date:	02/15/1999
Action:	Soil and Water Investigation Report
Global Id:	T0605990440
Action Type:	RESPONSE
Date:	06/12/2001
Action:	Site Assessment Report
Global Id:	T0605990440
Action Type:	ENFORCEMENT
Date:	06/22/2004
Action:	13267 Monitoring Program
Global Id:	T0605990440
Action Type:	ENFORCEMENT
Date:	08/02/2005
Action:	13267 Monitoring Program
Global Id:	T0605990440
Action Type:	ENFORCEMENT
Date:	02/23/2006
Action:	* No Action
Global Id:	T0605990440
Action Type:	ENFORCEMENT
Date:	02/14/2006
Action:	13267 Monitoring Program
Global Id:	T0605990440
Action Type:	Other
Date:	12/11/1998
Action:	Leak Discovery
Global Id:	T0605990440
Action Type:	RESPONSE
Date:	10/30/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0605990440
Action Type:	RESPONSE
Date:	07/15/2003
Action:	Other Workplan
Global Id:	T0605990440
Action Type:	ENFORCEMENT
Date:	07/24/2006
Action:	Closure/No Further Action Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON SERVICE STATION (Continued)

S105850459

Global Id: T0605990440
Action Type: REMEDIATION
Date: 04/20/2004
Action: Not reported

Global Id: T0605990440
Action Type: REMEDIATION
Date: 12/11/1998
Action: Not reported

Global Id: T0605990440
Action Type: ENFORCEMENT
Date: 05/19/2003
Action: Staff Letter

LUST:

Global Id: T0605990440
Status: Open - Case Begin Date
Status Date: 12/11/1998

Global Id: T0605990440
Status: Open - Site Assessment
Status Date: 01/24/2002

Global Id: T0605990440
Status: Open - Site Assessment
Status Date: 04/21/2004

Global Id: T0605990440
Status: Open - Verification Monitoring
Status Date: 05/03/2006

Global Id: T0605990440
Status: Completed - Case Closed
Status Date: 07/24/2006

CORTESE:

Name: CHEVRON #9-7601
Address: 325 TUSTIN AVE. N
City,State,Zip: SANTA ANA, CA 92705
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0605990440
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON SERVICE STATION (Continued)

S105850459

Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Unit Name: Not reported
File Name: Active Open

CERS:

Name: CHEVRON #9-7601
Address: 325 TUSTIN AVE. N
City,State,Zip: SANTA ANA, CA 92705
Site ID: 190549
CERS ID: T0605990440
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CHRISTOPHER CIRAULO - SANTA ANA, CITY OF
Entity Title: Not reported
Affiliation Address: 1439 S. BROADWAY
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: MIGUEL OVIEDO - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 Main Street, Suite 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517823238

54
WNW
1/8-1/4
0.229 mi.
1210 ft.

XEROX CENTRE PARTNERS
1851 E FIRST ST STE 855
SANTA ANA, CA 92705

RCRA-SQG
HAZNET
HWTS
1000905250
CA0000381905

Relative:
Lower
Actual:
134 ft.

RCRA-SQG:

Date Form Received by Agency: 1994-06-29 00:00:00.0
Handler Name: XEROX CENTRE PARTNERS
Handler Address: 1851 E FIRST ST STE 855
Handler City,State,Zip: SANTA ANA, CA 92705-3949
EPA ID: CA0000381905
Contact Name: D MICHAEL WHITE
Contact Address: 1851 E FIRST ST STE 855
Contact City,State,Zip: SANTA ANA, CA 92705-3949
Contact Telephone: 714-568-1014
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

XEROX CENTRE PARTNERS (Continued)

1000905250

Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	E FIRST ST STE 855
Mailing City,State,Zip:	SANTA ANA, CA 92705-3949
Owner Name:	XEROX CENTRE PARTNERS
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

XEROX CENTRE PARTNERS (Continued)

1000905250

Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 2000-09-15 17:31:32.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: Not reported
Manifest Broker: Not reported
Sub-Part P Indicator: Not reported

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: XEROX CENTRE PARTNERS
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 800 LONG RIDGE RD
Owner/Operator City,State,Zip: STAMFORD, CT 06904
Owner/Operator Telephone: 203-968-4130
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1994-06-29 00:00:00.0
Handler Name: XEROX CENTRE PARTNERS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

HAZNET:

Name: XEROX CENTRE PARTNERS
Address: 1851 E FIRST ST STE 855
Address 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

XEROX CENTRE PARTNERS (Continued)

1000905250

City,State,Zip: SANTA ANA, CA 927050000
Contact: CINDY NICHOLS
Telephone: 7145680317
Mailing Name: Not reported
Mailing Address: 800 PHILLIPS RD BLDG 304-135

Year: 1994
Gepaid: CA0000381905
TSD EPA ID: CAD000088252
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H01 - Transfer Station
Tons: 0.2805

Year: 1994
Gepaid: CA0000381905
TSD EPA ID: CAD000088252
CA Waste Code: 513 - Empty containers less than 30 gallons
Disposal Method: H01 - Transfer Station
Tons: 1.6856

Year: 1994
Gepaid: CA0000381905
TSD EPA ID: CAD000088252
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H01 - Transfer Station
Tons: 0.0375

Additional Info:

Year: 1994
Gen EPA ID: CA0000381905

Shipment Date: 19940705
Creation Date: 3/26/1996 0:00:00
Receipt Date: 19940706
Manifest ID: 93435441
Trans EPA ID: CAD983615998
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSD EPA ID: CAD000088252
Trans Name: Not reported
TSD EPA ID: CAD000088252
TSD EPA Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Meth Code: H01 - Transfer Station
Quantity Tons: 0.2805
Waste Quantity: 85
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19940705

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

XEROX CENTRE PARTNERS (Continued)

1000905250

Creation Date: 3/26/1996 0:00:00
Receipt Date: 19940706
Manifest ID: 93435441
Trans EPA ID: CAD983615998
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD000088252
Trans Name: Not reported
TSDf Alt EPA ID: CAD000088252
TSDf Alt Name: Not reported
Waste Code Description: 513 - Empty containers less than 30 gallons
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 1.6856
Waste Quantity: 2
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19940705
Creation Date: 3/26/1996 0:00:00
Receipt Date: 19940706
Manifest ID: 93435441
Trans EPA ID: CAD983615998
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD000088252
Trans Name: Not reported
TSDf Alt EPA ID: CAD000088252
TSDf Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0375
Waste Quantity: 75
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:

Name: XEROX CENTRE PARTNERS
Address: 1851 E FIRST ST STE 855
Address 2: Not reported
City,State,Zip: SANTA ANA, CA 927050000
EPA ID: CA0000381905
Inactive Date: 06/30/1999
Create Date: 12/08/1995
Last Act Date: 07/06/2010
Mailing Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

XEROX CENTRE PARTNERS (Continued)

1000905250

Mailing Address: 800 PHILLIPS RD BLDG 304-135
Mailing Address 2: Not reported
Mailing City,State,Zip: WEBSTER, NY 145809720
Owner Name: XEROX CENTRE PARTNERS
Owner Address: 800 LONG RIDGE RD
Owner Address 2: Not reported
Owner City,State,Zip: SANTA ANA, CT 069040000
Contact Name: CINDY NICHOLS
Contact Address: INACT 99VQ FINAL NOTICE - BATCH
Contact Address 2: 4/11/00
City,State,Zip: SANTA ANA, CA 927050000

G55
NE
1/8-1/4
0.245 mi.
1296 ft.

97601
325 N TUSTIN AVE
SANTA ANA, CA 92705
Site 12 of 16 in cluster G

HIST UST **U001578216**
N/A

Relative:
Higher

HIST UST:

Actual:
146 ft.

Name: 97601
Address: 325 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
File Number: 0002E72B
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002E72B.pdf>
Region: STATE
Facility ID: 00000063011
Facility Type: Gas Station
Other Type: Not reported
Contact Name: JONES, RONALD
Telephone: 7145588464
Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET
Owner City,St,Zip: SAN FRANCISCO, CA 94105
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: 1973
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1973
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1973
Tank Capacity: 00005000
Tank Used for: PRODUCT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

97601 (Continued)

U001578216

Type of Fuel: Not reported
Container Construction Thickness: 0000250
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: 1973
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 0000130
Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

G56
NE
1/8-1/4
0.245 mi.
1296 ft.

CHEVRON 97601
325 N TUSTIN AVE
SANTA ANA, CA 92705
Site 13 of 16 in cluster G

HIST UST **U001578228**
N/A

Relative:
Higher

Actual:
146 ft.

HIST UST:
Name: CHEVRON 97601
Address: 325 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
File Number: 0002E74B
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002E74B.pdf>
Region: STATE
Facility ID: 00000057386
Facility Type: Other
Other Type: CAR WASH
Contact Name: RONALD JONES
Telephone: 7145588464
Owner Name: CHEVRON U.S.A. INC. OPERATIONS
Owner Address: P.O. BOX 2833
Owner City,St,Zip: LA HABRA, CA 90631
Total Tanks: 0001

Tank Num: 001
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

[Click here for Geo Tracker PDF:](#)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number
EPA ID Number

G57
NE
1/8-1/4
0.245 mi.
1296 ft.
CHEVRON STATION NO 97601
325 N TUSTIN AVE
SANTA ANA, CA 92705
Site 14 of 16 in cluster G

RCRA-SQG
UST
FINDS
ECHO
1000905280
CA0000466789

Relative:
Higher

Actual:
146 ft.

RCRA-SQG:
Date Form Received by Agency: 2002-05-16 00:00:00.0
Handler Name: CHEVRON STATION NO 97601
Handler Address: 325 N TUSTIN AVE
Handler City,State,Zip: SANTA ANA, CA 92705-3806
EPA ID: CA0000466789
Contact Name: KATHY NORRIS
Contact Address: P O BOX 6004
Contact City,State,Zip: SAN RAMON, CA 94583
Contact Telephone: 925-842-5931
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: P O BOX 6004
Mailing City,State,Zip: SAN RAMON, CA 94583
Owner Name: CHEVRON PRODUCTS CO
Owner Type: Private
Operator Name: Not reported
Operator Type: Not reported
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: NN
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
Permit Renewals Workload Universe: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 97601 (Continued)

1000905280

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-10-07 16:37:12.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D018
Waste Description:	BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHEVRON PRODUCTS CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 6004
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583
Owner/Operator Telephone:	925-842-5931
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2002-05-16 00:00:00.0
Handler Name:	CHEVRON STATION NO 97601
Federal Waste Generator Description:	Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 97601 (Continued)

1000905280

State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

UST:

Name:	CHEVRON STATION 97601
Address:	325 N. TUSTIN
City,State,Zip:	SANTA ANA, CA 92705
Facility ID:	30-020-sa216
Permitting Agency:	SANTA ANA, CITY OF
Latitude:	33.7491154
Longitude:	-117.8324178

Name:	RUSSELL FISHER XPRESS CAR WASH
Address:	325 N TUSTIN AVE
City,State,Zip:	SANTA ANA, CA 92705
Facility ID:	FA0057572
Permitting Agency:	Orange County Environmental Health
Latitude:	33.74786
Longitude:	-117.83376

ORANGE CO. UST:

Name:	RUSSELL FISHER XPRESS CAR WASH
Address:	325 N TUSTIN AVE
City,State,Zip:	SANTA ANA, CA 92705
Facility ID:	FA0057572

FINDS:

Registry ID:	110002618347

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION NO 97601 (Continued)

1000905280

STATE MASTER

Registry ID: 110070663906

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000905280
Registry ID: 110002618347
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002618347>
Name: CHEVRON STATION NO 97601
Address: 325 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705

**G58
NE
1/8-1/4
0.245 mi.
1296 ft.**

**CHEVRON STATION #9-7601
325 N TUSTIN AVE
SANTA ANA, CA 92705
Site 15 of 16 in cluster G**

**CERS HAZ WASTE
SWEEPS UST
CERS TANKS
CA FID UST
CERS**

**S101619782
N/A**

**Relative:
Higher
Actual:
146 ft.**

CERS HAZ WASTE:
Name: RUSSELL FISHER XPRESS CAR WASH
Address: 325 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
Site ID: 158134
CERS ID: 10457920
CERS Description: Hazardous Waste Generator

SWEEPS UST:

Name: CHEVRON STATION #9-7601
Address: 325 N TUSTIN AVE
City: SANTA ANA
Status: Active
Comp Number: 216
Number: 1
Board Of Equalization: Not reported
Referral Date: 07-21-93
Action Date: 07-21-93
Created Date: 01-26-92
Owner Tank Id: 1
SWRCB Tank Id: 30-020-000216-000001
Tank Status: A
Capacity: 6000
Active Date: 01-26-92
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-7601 (Continued)

S101619782

Name: CHEVRON STATION #9-7601
Address: 325 N TUSTIN AVE
City: SANTA ANA
Status: Active
Comp Number: 216
Number: 1
Board Of Equalization: Not reported
Referral Date: 07-21-93
Action Date: 07-21-93
Created Date: 01-26-92
Owner Tank Id: 2
SWRCB Tank Id: 30-020-000216-000002
Tank Status: A
Capacity: 10000
Active Date: 01-26-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: CHEVRON STATION #9-7601
Address: 325 N TUSTIN AVE
City: SANTA ANA
Status: Active
Comp Number: 216
Number: 1
Board Of Equalization: Not reported
Referral Date: 07-21-93
Action Date: 07-21-93
Created Date: 01-26-92
Owner Tank Id: 3
SWRCB Tank Id: 30-020-000216-000003
Tank Status: A
Capacity: 10000
Active Date: 01-26-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CERS TANKS:

Name: RUSSELL FISHER XPRESS CAR WASH
Address: 325 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
Site ID: 158134
CERS ID: 10457920
CERS Description: Underground Storage Tank

CA FID UST:

Facility ID: 30013116
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7145588464
Mail To: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
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CHEVRON STATION #9-7601 (Continued)

S101619782

Mailing Address: 325 N TUSTIN AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: SANTA ANA 92705
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Facility ID: 30013116
Regulated By: UTKNA
Regulated ID: 00063011
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7145588464
Mail To: Not reported
Mailing Address: 325 N TUSTIN AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: SANTA ANA 92705
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CERS:

Name: RUSSELL FISHER XPRESS CAR WASH
Address: 325 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
Site ID: 158134
CERS ID: 10457920
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 158134
Site Name: Russell Fisher Xpress Car Wash
Violation Date: 3/8/2016
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 11/21/2016. The UST permitting documents submitted on 2/5/16 to the CERS database are not accurate. Please review the comments in CERS and revise the documents. Submit the revised documents via CERS within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 158134
Site Name: Russell Fisher Xpress Car Wash
Violation Date: 7/1/2019
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter

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Database(s)

EDR ID Number
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CHEVRON STATION #9-7601 (Continued)

S101619782

Violation Description: 16, Section(s) 2641(h)
Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 07/18/2019. The Monitoring Plan for each tank is inaccurate in CERS. Under the Personnel Responsibilities section, Cesar is listed as the Second Person Having Responsibility. At the time of this inspection, it was verified that Cesar is no longer employed with this business. Update the Monitoring Plan for each tank via CERS and resubmit changes within 30 days.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 158134
Site Name: Russell Fisher Xpress Car Wash
Violation Date: 7/1/2019
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2

Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "

Violation Notes: Returned to compliance on 07/01/2019. Spill container testing exceeded 12 months from previous test performed on 6/26/2018. Spill container testing was performed on this date. The violation was corrected.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 158134
Site Name: Russell Fisher Xpress Car Wash
Violation Date: 6/26/2018
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)

Violation Description: Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.

Violation Notes: Returned to compliance on 06/26/2018. The liquid sensors for the following UDCs were not situated to detect a leak at the earliest opportunity: UDC 1/2, 3/4, 5/6, 7/8. Sensors were all 2-3 inches above the lowest point in the UDCs, not touching the bottom of the sump. Leak sensors must be positioned in the sump to detect a leak at the earliest opportunity. Liquid sensors were all placed in proper positions at the end of the monitoring certification. Violation corrected on site.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 158134
Site Name: Russell Fisher Xpress Car Wash
Violation Date: 6/26/2017
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter

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CHEVRON STATION #9-7601 (Continued)

S101619782

Violation Description: 16, Section(s) 2715(f)
Failure to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).

Violation Notes: Returned to compliance on 07/10/2017. Ross Guerrero is the only employee who has received current annual training. Juan Mozo reported that 3 other employees should receive training. Complete the annual training and submit a copy of the training signature log to this agency.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 158134
Site Name: Russell Fisher Xpress Car Wash
Violation Date: 8/8/2019
Citation: 23 CCR 16 2637(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(f)

Violation Description: Failure to submit a copy of the secondary containment test results on the G Secondary Containment Testing report FormG to the UPA within 30 days after the test.

Violation Notes: Returned to compliance on 12/27/2019. Secondary Containment Testing Report Form (dated 7/1/2019) is incomplete. Please complete the following sections: - Section XI: Vent Piping Containment Testing Information - Section XII: Comments - Section XIII: Vapor Recovery Piping Containment Testing Information - Section XIV: Comments Revise and resubmit test results to this agency immediately.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 158134
Site Name: Russell Fisher Xpress Car Wash
Violation Date: 7/1/2019
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)

Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).

Violation Notes: Returned to compliance on 07/01/2019. The annual monitoring system certification exceeded 12 months from previous certification performed on 6/26/2018. A monitoring system certification was performed on this date. The violation has been corrected.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 158134
Site Name: Russell Fisher Xpress Car Wash
Violation Date: 6/26/2017
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)

Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the

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CHEVRON STATION #9-7601 (Continued)

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Violation Notes: designated facility which received the waste.
Returned to compliance on 07/10/2017. Copies of hazardous waste manifests are not available for review. Submit a copy of the most recent waste manifest to this agency.

Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 158134
Site Name: Russell Fisher Xpress Car Wash
Violation Date: 7/1/2019
Citation: 23 CCR 16 2712(b)(1)(F) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(F)

Violation Description: "Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary containment testing for 36 months."

Violation Notes: Returned to compliance on 07/01/2019. Secondary containment (SB989) testing exceeded 36 months from previous test performed on 6/29/2016. Secondary containment was tested on this date. The violation has been corrected.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 158134
Site Name: Russell Fisher Xpress Car Wash
Violation Date: 7/1/2019
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)

Violation Description: Failure to have an approved UST Response Plan.

Violation Notes: Returned to compliance on 07/18/2019. The Response Plan in CERS is inaccurate. Under the Responsible Persons section, Cesar Lopez is listed as the Manager. During today's inspection, it was verified that Cesar Lopez is no longer employed with this business. Update the Response Plan in CERS and submit changes within 30 days.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 158134
Site Name: Russell Fisher Xpress Car Wash
Violation Date: 3/8/2016
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violation Notes: Returned to compliance on 06/29/2016. The UST financial responsibility documents do not indicate the required amount of coverage for the amount per occurrence on the state form that was uploaded on 2/5/16 to

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Elevation

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EDR ID Number
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CHEVRON STATION #9-7601 (Continued)

S101619782

the CERS database. Please review the comments in CERS and revise the documents. Submit the revised financial responsibility documents via CERS within 30 days.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 158134
Site Name: Russell Fisher Xpress Car Wash
Violation Date: 7/17/2013
Citation: 23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637

Violation Description: Failure to comply with one or more of the following: conduct secondary containment testing, within six months of installation and every 36 months thereafter, conducted in accordance with proper practices, protocols, or test methods.

Violation Notes: Returned to compliance on 07/18/2013. The SB989 test is past due. The last test is dated 6/28/10. SB989 testing was being conducted while on site today. Violation abated today.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 158134
Site Name: Russell Fisher Xpress Car Wash
Violation Date: 7/1/2019
Citation: 23 CCR 16 2712(i), 2632(d)(2), 2634(e), 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i), 2632(d)(2), 2634(e), 2641(h)

Violation Description: Failure to submit a current UST Response Plan available on site.

Violation Notes: Returned to compliance on 08/08/2019. The Response Plan onsite is not current as it is listing Cesar Lopez as a Responsible Person (Manager). At the time of this inspection, it was verified that Cesar Lopez is no longer employed with this business. Submit a copy of an updated/current Response Plan to this agency and to the facility within 30 days.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 158134
Site Name: Russell Fisher Xpress Car Wash
Violation Date: 7/1/2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)

Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention

Map ID
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Elevation

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CHEVRON STATION #9-7601 (Continued)

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Violation Notes: equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, - 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October- 1, - 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months. Returned to compliance on 12/27/2019. Facility failed to test overfill prevention equipment at least once as of 10/13/2018 and every 36 months thereafter. Overfill prevention equipment was tested on this date. Submit passing test results to this Agency within 30 days to abate this violation.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 158134
Site Name: Russell Fisher Xpress Car Wash
Violation Date: 6/26/2017
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)

Violation Description: Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the UST.

Violation Notes: Returned to compliance on 06/26/2017. On 1/24/17 an alarm occurred on the L11 sensor (91 turbine sump) and was not recorded on the alarm log. Discussed the requirements for maintaining a current alarm log with Juan Mozo. Violation abated today.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 158134
Site Name: Russell Fisher Xpress Car Wash
Violation Date: 7/28/2015
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)

Violation Description: Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs.

Violation Notes: Returned to compliance on 08/27/2015. The report indicates that both line leak detectors (PLLD) failed and will be retested. Have the leak detectors repaired/replaced and retested and submit results to this agency indicating that the leak detectors passed.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 158134
Site Name: Russell Fisher Xpress Car Wash
Violation Date: 6/26/2017

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-7601 (Continued)

S101619782

Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 06/26/2017. The 91 fill sump sensor failed testing and was replaced today with the same make/model. The sensor was tested for alarm and turbine shut down and passed. Violation corrected.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 158134
Site Name: Russell Fisher Xpress Car Wash
Violation Date: 6/29/2016
Citation: HSC 6.7 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e)
Violation Description: Failure to maintain secondary containment (e.g. failure of secondary containment testing).
Violation Notes: Returned to compliance on 10/31/2016. The following components were not tested due to damaged or missing boots: - 87 and 91 Product Secondary lines - 87 Main, 87 Auxiliary and 91 turbine sumps Failure must be corrected and if necessary, plans for repair/replacement must be submitted to this Agency within 30 days of this inspection report.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 06-29-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-29-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector Comments: On site to witness monitoring system certification testing activities and to conduct routine UST inspection. All annular and sump sensors alarmed properly (visual and audible) and shut down respective turbine when submerged in water. UDC sensors alarmed properly (visual and audible) and shut down all turbines when submerged in water. Fail-safe, sensor out and emergency shut off were tested and passed. Site has flappers for overfill prevention. Spill buckets were tested visually without any changes in water level. Line leak detector test was not witnessed by this agency. Valid permit, designated operator documentation, monthly inspection reports, responses to alarms, employee training records, certification of financial responsibility (CFR), copies of monitoring system certification and secondary containment reports are available for review. All CUPA forms (Facility Information, Tank Information,

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CHEVRON STATION #9-7601 (Continued)

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Eval Division:	Monitoring plan, Response [Truncated]
Eval Program:	Orange County Environmental Health
Eval Source:	UST
	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-29-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Document submitted to CERS on 2/5/16 and 3/8/16 were reviewed and not accepted with the following considerations: - EPA ID# CAL000355062, listed for this business was assigned to former business, Sunshine Car Wash. New EPA ID# must be obtained for this business. You may obtain information regarding new EPA ID# at http://www.dtsc.ca.gov/HazardousWaste/upload/GISS_FORM_1358.pdf - The site map does not show locations of emergency water shutoff, emergency electricity shutoff and fire extinguishers. Please submit revised site map. Also added comments regarding reporting all fuel grades on one form since the CAS# is the same for all grades and removing comments under G Mixture ComponentsG since this is a pure material and has a CAS#.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-01-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site for routine UST inspection and to observe the following testing activities: - Monitoring system certification - Spill bucket testing - Line leak detector testing The inspection was conducted with Minh Le of Orange County Health Care Agency (OCHCA). The facility has the following double-walled tanks: - Regular gasoline (87-A): 10,000 gallons - Regular gasoline (87-B): 10,000 gallons - Premium gasoline (91): 10,000 gallons All tanks are monitored by a Veeder Root (VR) TLS-350R system. The facility is using the following monitoring sensors for all tanks: - Turbine sumps: VR-208 - Fill sumps: VR-208 - UDCG s: VR-208 - Annulars: VR-409 The site has double-walled pressurized piping with electronic line leak detectors (VR-PLLD). Positive shutdown and failsafe were performed and verified. Flapper valves are used for overfill prevention. Testing was conducted by John Babcock of PCET Inc. Tester Certifications (VR, ICC, VMI) were [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-06-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for a monitor certification. This site has 3 double walled tanks with double walled piping. All turbine sump, fill sump, tank annular, and UDC sensors were tested for alarm and turbine shut down. The Veeder Root was tested for sensor-out and fail-safe. Tanks use flapper valves for overfill prevention. Spill buckets were visually

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EPA ID Number

CHEVRON STATION #9-7601 (Continued)

S101619782

tested and passed. This agency did not witness the line leak detector test. Technician certifications verified today. The following documents are available for review: - Designated Operator statement - expiration dated 10/31/15 - DO monthly inspections with alarm history reports - Certification of financial responsibility and CFO letter dated 2/24/15 - Facility employee training records dated 5/26/15 - No alarms since last monitor certification - Last monitor certification dated 7/9/14 - SB989 test dated 7/17/13 - Spill bucket tests dated 7/9/14 - Service tickets, work orders Copies of all CERS forms available on site.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-18-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: reviewed status of site and ran Report 7800.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-14-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and accepted revised documents submitted to CERS on 11/14/16.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-17-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and Accepted CERS submission
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-12-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2015 update HMBEP/Emergency Response plans are accepted. You still need to update the UST plans.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-03-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health

Map ID
Direction
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Elevation

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EDR ID Number
EPA ID Number

CHEVRON STATION #9-7601 (Continued)

S101619782

Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-08-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	File review and document retrieval for audit.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-16-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed and accepted documents submitted to CERS on 2/8/17 that included updated DO statement and CFR with coverage from 2/7/17 to 2/7/18.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-26-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed contents of UST file from Santa Ana Fire Department and first removed all documents associated with remediation of a leaking UST; these will be given to our AgencyG s LOP program for review. The remaining documents were reviewed, sorted, and filed in our AgencyG s UST file.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-06-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Monitor cert notification
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-08-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Monitor cert notification for 6-26
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-26-2017
Violations Found:	No

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Site

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EDR ID Number
EPA ID Number

CHEVRON STATION #9-7601 (Continued)

S101619782

Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous materials inspection. Consent to enter and inspect granted by Juan Mozo. Observed the hazardous materials storage areas. The following hazardous materials were observed today:
- Unleaded gasoline in underground tanks - 55 gallons detergent - 55 gallons wax The Business Emergency Plan is on site. Discussed annual employee training with Juan Mozo today.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-26-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for a monitor certification and routine inspection. This site has 3 double walled tanks with double walled piping and 4 dispensers. All turbine sump sensors, fill sump sensors, annular sensors, and UDC sensors alarm and shut down turbines. The Veeder Root was tested for sensor out and fail safe. Line leak detectors and spill buckets were tested today. The following documents were available for review: - Current permit to operate - CUPA Business Activities - CUPA Business Owner/Operator - UST Facility Information form - UST Tank Information forms - Certificate of Financial Responsibility and CFO letter dated 7/2/16 - UST Response Plan - UST Monitoring Plan - UST Plot Plan - Owner Statement of Designated UST Operator - expiration dated 4/28/18 - DO monthly checklists with alarm history - Monitor certification dated 6/29/16 - SB989 tests dated 6/29/16 - Spill bucket tests dated 6/29/16 - Service tickets, work orders Correct the violation within 30 [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-03-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-08-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-26-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: INSPECTOR COMMENT: Tester: John Babcock of PCET; verified all

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
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CHEVRON STATION #9-7601 (Continued)

S101619782

certifications (ICC, VR, VMI) are all current. Tanks: 3 tanks 1) 91 (10K gallons) 2) 87A (10K gallons) 3) 87B (10K gallons) Monitoring Panel: TLS-350 Leak Sensors: All sumps (turbine and fill) are monitored by VR208 Annular sensors are VR409 PLLD: Electronic line leak detector UDCs: 4 UDCs on site; monitored by VR208 Certification of Financial Responsibility: CFR expires 02/07/2018 CFO letter expires 02/07/2018

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-29-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed file in preparation for on site inspection.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-29-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Revised documents submitted to CERS on 3/8/16 were reviewed and not accepted since the location of line leak detectors were not shown on site.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-06-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This agency received and reviewed the monitor certification and spill bucket tests dated 6/26/17. The results indicate all components passed.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-10-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This agency received and reviewed the current employee UST training by the designated operator. Violation I651 abated. No outstanding violations.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-17-2013
Violations Found: No
Eval Type: Routine done by local agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-7601 (Continued)

S101619782

Eval Notes: On site for a routine hazardous waste inspection. Consent to enter and inspect granted by Frank Sheena. Observed the waste storage area, perimeter of facility and trash container. Drums of wastes are covered and labeled. Wastes include water/fuel liquid and solids with fuel. Manifests for waste disposal are available for review. The business emergency plan is on site and available for review. Verified the owner as Sheena Brothers Inc.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-22-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: reviewed submittal of Facility docs on CERS The following documents were received 2/14/2014 on CERS and were reviewed today and ACCEPTED: Facility documents (Business Activities form and Business Owner/Operator Identification form).

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-22-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: reviewed submittal of UST docs on CERS Reviewed submission package on CERS for UST documents, DENIED. Request for resubmittal this date. The following documents received had the following deficiencies: UST Monitoring Site Plan G does not show location of piping UST Certification of Financial Responsibility G does not show full address of facility Owner Statement of Designated UST Operator Compliance G is not current, as Primary DOG s ICC certification expiration date is 5/12/2014. The following documents were received and reviewed: Business Activities Business Owner/Operator Identification UST Facility Operating Permit Application UST Tank Information form - Tank ID #001 UST Tank Information form - Tank ID #002 UST Tank Information form - Tank ID #003 UST Tank Monitoring Plan - Tank ID #001 UST Tank Monitoring Plan - Tank ID #002 UST Tank Monitoring Plan - Tank ID #003 UST Monitoring Site Plan UST Certification of Financial Responsibility UST [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-24-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-12-2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-7601 (Continued)

S101619782

Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	HMBEP declined in CERS. The following notes were included in the review: "See previous review comments below: EPA ID# CAL000355062, listed for this business was assigned to former business, Sunshine Car Wash. New EPA ID# must be obtained for this business. You may obtain information regarding new EPA ID# at http://www.dtsc.ca.gov/HazardousWaste/upload/GISS_FORM_1358.pdf Site map revisions are accepted. Please combine the entries for gasoline into one entry. You should not differentiate between the different grades."
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-22-2016
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspector Comments: The following documents were submitted to this agency on 8/22/16: - A copy of Monitoring System Certification and Spill Bucket Testing Report Form for activities conducted on 6/29/16. All components passed test. - A copy of Secondary Containment Testing Report Form (3 year SB989) for activities conducted on 6/29/16. All components, except for the following, passed test: - 87 and 91 Product Secondary lines - 87 Main, 87 Auxiliary and 91 turbine sumps. Failures must be corrected and if necessary, plans for repair/replacement must be submitted to this Agency within 30 days of this inspection report.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-26-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	On site to discuss change of owner and outstanding violation with contractor. Ownership changed at the end of June 2015 per the owner. RUR to be submitted to reverse invoice for old owner. Contractor gave verbal notification today that leak detectors will be retested on 8/27/15 at 1:00. This agency will return at a later date to complete the A21 for the new owner.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-02-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	CERS review: Record was inactivated based on verbal of Change of OW. Reset to Stat 03 pending new submittal in CERS
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
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CHEVRON STATION #9-7601 (Continued)

S101619782

Eval Date: 10-06-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Russell Fischer Xpress 325 N. Tustin Ave. Santa Ana, CA 92705 On site for a routine hazardous materials inspection. Consent to enter and inspect granted by Whitney Martinez. The following qualifying hazardous materials were observed today: - Three 10,000 gallon underground storage tanks containing gasoline Chapter 6.95 of Division 20 of the California Health and Safety Code (H&SC) and Section 11022 of Title 42 of the United States Code contain the minimum requirements for hazardous material inventory reporting and data management. These regulations require businesses within this jurisdiction to complete a chemical inventory form to disclose hazardous materials stored, used, or handled on site. This disclosure information will assist emergency responders in planning for and handling emergencies involving hazardous materials. The main program objective is to safeguard the lives of emergency responders, the public, and to minimize property loss. The H&SC also [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-26-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection. Consent to enter and inspect granted by Juan Mozo. Observed the waste storage area, perimeter of facility and trash container. Currently there is no waste on site. The Business Emergency Plan is complete and on site. Verified the owner as Russell Fisher Partnership. Correct the violation within 30 days.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-03-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Review site status for inspection.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-10-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This agency received and reviewed the hazardous waste manifests for the fuel waste solids and liquids. Violation I474 abated. No outstanding violations.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

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CHEVRON STATION #9-7601 (Continued)

S101619782

Eval Date: 07-17-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for a monitor certification and routine inspection. This site has 3 double walled fuel tanks with double walled piping and 4 dispensers. All turbine sump, fill sump, annular, and UDC sensors alarm and shut down turbines. The Veeder Root was tested for sensor-out and fail-safe. The tanks use flapper valves for overfill prevention. The spill buckets were being visually tested. This agency did not witness the line leak detector tests. Verified technician certifications today. The following documents are current and available for review: - CUPA forms - Certification of financial responsibility and CFO letter dated 7/30/12 - UST response plan - UST monitoring plan - UST plot plan - Owner statements of designated UST operator (DO) - expiration dated 5/12/14 - DO monthly inspections with alarm history reports - Employee training dated 7/30/12 - Spill and alarm logs - Monitor certification dated 7/31/12 - SB989 test dated 6/28/10 - Spill bucket test dated [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-22-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Printed e-Submit HazMat docs for later review.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-22-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The purpose of this offsite reinspection is to follow-up on the violations noted on the inspection report dated 7/1/2019. The business has re-submitted the following documents via CERS: - Monitoring Plan - UST Response Plan The documents were reviewed and verified to be in compliance. Violations I003 and I005 have been corrected.
CORRECTIVE ACTION REQUIRED (1) The business has not submitted overfill prevention test results to this agency. Violation I101 remains uncorrected. Please submit test results by 7/31/2019. (2) The business has not provided proof that the most current UST Response Plan has been provided to the facility and available onsite. Violation I673 remains uncorrected. Please submit a copy of the most current UST Response Plan to this agency and to the facility by 7/31/2019. A copy of this inspection report will be sent to: Heather Jennings, Facility Manager <hjennings@russellfischer.com>
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-28-2015
Violations Found: Yes
Eval Type: Other, not routine, done by local agency

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CHEVRON STATION #9-7601 (Continued)

S101619782

Eval Notes:	This agency received and reviewed the monitor certification and spill bucket test results dated 7/6/15. .
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-29-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	SB 989 retest
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-19-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Documents submitted to CERS on 7/20/16 were reviewed and not accepted since the G Date UST System InstalledG is not listed on all Tank Information forms.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-26-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Review site status for permitting. Notified Christine Lane via email site okay for permit.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-13-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	CERS review - ER & Training not accepted
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-14-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspector Comments: On site for follow up inspection to correct outstanding violation I582 regarding failure to maintain accurate CUPA UST Operating Permit Application. Juan Mozo, assistant manager, granted consent to conduct inspection. I reviewed UST records to verify that CUPA forms maintained on site have been updated with current ownerG s information. Tank Information pages area correct. However, monitoring and response plans have the previous ownerG s (Sunshine Car Wash) information. Please be advised that the

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CHEVRON STATION #9-7601 (Continued)

S101619782

outstanding violation cannot be abated until revised/corrected copies of monitoring and response plans are available on site. Failure to correct the outstanding violation by 12/11 /16, will lead to further enforcement action.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-21-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector Comments: I received email from facility's designated operator, Paul Vidakovich, on 11/17/16 stating the he was on site on 11/16/16 and placed correct monitoring and response plans in UST records binder. Outstanding violation I582 regarding failure to maintain accurate CUPA UST Operating Permit Application, has been abated.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-27-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following documents have been received and reviewed by this agency: - Overfill Prevention Equipment Inspection Report Form (dated 8/15/2019); flappers tested - Overfill Prevention Equipment Inspection Report Form (dated 10/18/2019); newly installed A/V Overfill Alarm tested All tested overfill prevention components PASSED. Note: Facility is using flappers as primary overfill prevention as indicated in CERS. - Secondary Containment Testing Report Form (dated 7/1/2019); report form is complete The following components were tested and PASSED: - Tank Secondary (x3) - Product Piping Secondary (x3) - Vent Piping Secondary (x3) - Vapor Piping Secondary (x3) - Turbine/Product Piping Sump Secondary (x3) - Fill Riser Sump Secondary (x3) - UDC Secondary (x4) Violations I101 and I296 have been corrected. No violations remain under the Underground Storage Tank program.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-31-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector Comments: I received a copy of Secondary Containment Testing Report Form for tests conducted on 10/3/16 after completion of repairs of components that failed during initial tests conducted on 6/29/16. All tested components passed test. Violation I382 regarding secondary containment components not passing test, cited in the inspection report dated 8/22/16, has been corrected.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

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Elevation

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EPA ID Number

CHEVRON STATION #9-7601 (Continued)

S101619782

Eval General Type:	Other/Unknown
Eval Date:	04-07-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed and accepted CERS submission
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-25-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Monitor cert notification
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-18-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	CERS reveiw
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-22-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Received UST mon cert notification for 7/09/2014. Ran Report 7800 for later review. Looked at electronic submittal status G UST docs submitted 2/14/2014 have not been reviewed.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-29-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This agency received and reviewed the following documents: - Monitor certification and spill bucket test dated 7/17/13 - SB989 test dated 7/17/13 - Spill bucket retest and work order for the 87 main fill bucket - Certification of financial responsibility and CFO letter dated 7/18/13
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-08-2019
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The following documents have been received by this agency on 7/30/2019: - Monitoring System Certification Form (dated 7/1/2019).

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Elevation

MAP FINDINGS

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CHEVRON STATION #9-7601 (Continued)

S101619782

Results indicate all tested components PASSED. - Spill Container Testing Report Form (dated 7/1/2019). Results indicate all tested components PASSED. - Secondary Containment Testing Report Form (dated 7/1/2019). Results indicate all tested components PASSED but report form is incomplete. Violation I296 has been issued. - Overfill Prevention Equipment Inspection Report Form. Results are incomplete as overfill prevention equipment has not been tested to date. Violation I101 remains outstanding. - Underground Storage Tank Response Plan. The response plan has been updated and submitted via CERS. Paul Vidakovich of PCET Inc has confirmed that the updated response plan was provided to the facility and available onsite. Violation I673 has been corrected. The following CLASS II violation remains outstanding: Violation I101 - [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-15-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This agency received and reviewed the leak detector re-test results dated 8/27/15. The results indicate all components passed. .

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-24-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: File review to respond to CERS questions from contractor about new owner.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-03-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: On site for a follow-up inspection for SB989 failures. Jesse from Pacific Compliance and Engineering Inc reported that test boots were replaced on the 87 and 91 product lines. No other work was completed for the repairs. The turbine sumps were filled with water and tested using the Incon unit. Two 15 minute tests were conducted and passed on all sumps. The lines were pressured to over 5 psi. The completion of the line tests were not witnessed by this agency. No permit required for the work completed. Submit the re-test results to this agency within 30 days.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-06-2015
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-7601 (Continued)

S101619782

Eval Type: Routine done by local agency
Eval Notes: Russell Fischer Xpress 325 N. Tustin Ave. Santa Ana, CA 92705 On site for a routine hazardous waste inspection. Consent to enter and inspect granted by Whitney Martinez. Observed the waste storage area, perimeter of facility and trash container. Drums of wastes are covered and labeled. Wastes include solid and liquid fuel waste. No wastes removed since new ownership. Emergency response information is available on site. Verified the owner as Russell Fischer Partnership.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-06-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Russell Fischer Xpress 325 N. Tustin Ave. Santa Ana, CA 92705 On site for a routine inspection. Whitney Martinez was present for the inspection. The electronic monitor appears to be functioning properly. The following documents are available for review: - Owner statements of designated UST operator - expiration dated 5/8/16 - DO monthly inspection reports with alarm history - Spill and alarm logs - Monitor certification dated 7/6/15 - SB989 test results dated 7/17/13 - Spill bucket test results dated 7/6/15 - Work orders, service tickets
Correct all violations within 30 days. .
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval General Type: Other/Unknown
Eval Date: 10-17-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This Agency received a monitoring system certification dated 7/09/2014 for the Veeder Root TLS 350 monitoring system. The following equipment for the fuel tanks was certified to have been inspected/serviced in accordance with manufacturer's guidelines and was operational per manufacturer's specifications: in tank gauging probes; annular space sensors; piping sump sensors; fill sump sensors; electronic line leak detectors; tank overfill/high level sensors; dispenser containment sensors; and, shear valves. Also included was a plot plan of facility showing location of tanks and monitoring equipment and a spill bucket testing report form dated 7/09/2014 with all results G PASS.G
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval General Type: Other/Unknown
Eval Date: 11-06-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST documents declined in CERS. Tank Page: - Overfill is flapper valve, not audible/visual alarms: all tanks - Fill riser pipe secondary is fiberglass: T3 Monitoring Plan - UDC Monitoring: UDC monitoring will stop flow of product at dispenser: T1, T2 Site Plan: please include the location of the piping runs and LLDs. Financial Responsibility: the Occurrence Amount for petroleum marketers is \$1M.

Map ID
Direction
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Elevation

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CHEVRON STATION #9-7601 (Continued)

S101619782

Please check the correct box. CFR is dated 10/12/15 DO Statement: DO =

Eval Division: PCET personnel
Eval Program: Orange County Environmental Health
Eval Source: UST
CERS

Eval General Type: Other/Unknown
Eval Date: 12-23-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: ACCEPTED 2/14/2014 submittal to CERS of Chemical Inventory/Site Plan and Business Emergency Plan/Training Plan.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:

Site ID: 158134
Site Name: Russell Fisher Xpress Car Wash
Site Address: 325 N TUSTIN AVE
Site City: SANTA ANA
Site Zip: 92705
Enf Action Date: 08-20-2019
Enf Action Type: AEO - Unified Program
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes: Fines/Penalties Assessed: \$3,500.00.
Enf Action Division: Orange County Environmental Health
Enf Action Program: UST
Enf Action Source: CERS

Coordinates:

Site ID: 158134
Facility Name: Russell Fisher Xpress Car Wash
Env Int Type Code: HWG
Program ID: 10457920
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.747860
Longitude: -117.833760

Affiliation:

Affiliation Type Desc: Identification Signer
Entity Name: Paul Vidakovich
Entity Title: Consultant
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Permit Applicant
Entity Name: Paul Vidakovich
Entity Title: Consultant
Affiliation Address: Not reported
Affiliation City: Not reported

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CHEVRON STATION #9-7601 (Continued)

S101619782

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 421-0400
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Russell Fisher Partnership
Entity Title:	Not reported
Affiliation Address:	325 N Tustin Ave
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92705
Affiliation Phone:	(714) 842-4453
Affiliation Type Desc:	Document Preparer
Entity Name:	Paul Vidakovich
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	325 N Tustin Ave
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Russell Fisher Partnership
Entity Title:	Not reported
Affiliation Address:	325 N Tustin Ave
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92705
Affiliation Phone:	(714) 842-4453
Affiliation Type Desc:	UST Tank Owner
Entity Name:	Russell Fisher Partnership
Entity Title:	Not reported
Affiliation Address:	325 N Tustin Ave
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92705
Affiliation Phone:	(714) 842-4453
Affiliation Type Desc:	CUPA District
Entity Name:	Orange County Env Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON STATION #9-7601 (Continued)

S101619782

Entity Title: Not reported
Affiliation Address: 1241 East Dyer Road Suite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6406

Affiliation Type Desc: Environmental Contact
Entity Name: PAUL VIDA KOVICH-PCET INC
Entity Title: Not reported
Affiliation Address: 3720 Oceanic Way #205
Affiliation City: OCEANSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92056
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Russell Fisher Partnership
Entity Title: Not reported
Affiliation Address: 325 N Tustin Ave
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92705
Affiliation Phone: (714) 842-4453

Affiliation Type Desc: Operator
Entity Name: Chase Russell
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (949) 677-7107

Affiliation Type Desc: Parent Corporation
Entity Name: Sunshine Car Wash
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Tank Operator
Entity Name: Russel Fisher Partnership
Entity Title: Not reported
Affiliation Address: 325 N Tustin Ave
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92705
Affiliation Phone: (714) 543-6993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
G59	XPRESS CAR WASH	RCRA NonGen / NLR	1025870062
NE	325 N TUSTIN AVE		CAL000420323
1/8-1/4	SANTA ANA, CA 92705		
0.245 mi.			
1296 ft.	Site 16 of 16 in cluster G		
Relative:	RCRA NonGen / NLR:		
Higher	Date Form Received by Agency:	2016-09-21 00:00:00.0	
	Handler Name:	XPRESS CAR WASH	
Actual:	Handler Address:	325 N TUSTIN AVE	
146 ft.	Handler City,State,Zip:	SANTA ANA, CA 92705	
	EPA ID:	CAL000420323	
	Contact Name:	CHASE RUSSELL	
	Contact Address:	325 N TUSTIN AVE	
	Contact City,State,Zip:	SANTA ANA, CA 92705	
	Contact Telephone:	714-842-4453	
	Contact Fax:	Not reported	
	Contact Email:	CHASE@RUSSELLFISHER.COM	
	Contact Title:	Not reported	
	EPA Region:	09	
	Land Type:	Not reported	
	Federal Waste Generator Description:	Not a generator, verified	
	Non-Notifier:	Not reported	
	Biennial Report Cycle:	Not reported	
	Accessibility:	Not reported	
	Active Site Indicator:	Not reported	
	State District Owner:	Not reported	
	State District:	Not reported	
	Mailing Address:	325 N TUSTIN AVE	
	Mailing City,State,Zip:	SANTA ANA, CA 92705	
	Owner Name:	CHASE RUSSELL	
	Owner Type:	Other	
	Operator Name:	CHASE RUSSELL	
	Operator Type:	Other	
	Short-Term Generator Activity:	No	
	Importer Activity:	No	
	Mixed Waste Generator:	No	
	Transporter Activity:	No	
	Transfer Facility Activity:	No	
	Recycler Activity with Storage:	No	
	Small Quantity On-Site Burner Exemption:	No	
	Smelting Melting and Refining Furnace Exemption:	No	
	Underground Injection Control:	No	
	Off-Site Waste Receipt:	No	
	Universal Waste Indicator:	No	
	Universal Waste Destination Facility:	No	
	Federal Universal Waste:	No	
	Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site Converter Treatment storage and Disposal Facility:	Not reported	
	Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site State-Reg Handler:	---	
	Federal Facility Indicator:	Not reported	
	Hazardous Secondary Material Indicator:	N	
	Sub-Part K Indicator:	Not reported	
	Commercial TSD Indicator:	No	
	Treatment Storage and Disposal Type:	Not reported	
	2018 GPRA Permit Baseline:	Not on the Baseline	
	2018 GPRA Renewals Baseline:	Not on the Baseline	
	Permit Renewals Workload Universe:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

XPRESS CAR WASH (Continued)

1025870062

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-09-10 12:40:58.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHASE RUSSELL
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	325 N TUSTIN AVE
Owner/Operator City,State,Zip:	SANTA ANA, CA 92705
Owner/Operator Telephone:	714-842-4453
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHASE RUSSELL
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	325 N TUSTIN AVE
Owner/Operator City,State,Zip:	SANTA ANA, CA 92705
Owner/Operator Telephone:	714-842-4453
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

XPRESS CAR WASH (Continued)

1025870062

Historic Generators:

Receive Date:	2016-09-21 00:00:00.0
Handler Name:	XPRESS CAR WASH
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	Not reported
Recognized Trader Exporter:	Not reported
Spent Lead Acid Battery Importer:	Not reported
Spent Lead Acid Battery Exporter:	Not reported
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44719
NAICS Description:	OTHER GASOLINE STATIONS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

60
ESE
1/8-1/4
0.247 mi.
1306 ft.

CAL TRANS
270 PASADENA AVE
TUSTIN, CA 92780

UST U003778825
N/A

Relative:
Lower

UST:	
Name:	CAL TRANS
Address:	270 PASADENA AVE
City,State,Zip:	TUSTIN, CA 92780
Facility ID:	11146
Permitting Agency:	ORANGE COUNTY
Latitude:	33.744786
Longitude:	-117.83156

Actual:
134 ft.

I61
East
1/8-1/4
0.248 mi.
1308 ft.

PASADENA WELL
170 PASADENA AVE
TUSTIN, CA 92780

RCRA-SQG 1026171624
CAR000308643

Site 1 of 2 in cluster I

Relative:
Higher

RCRA-SQG:	
Date Form Received by Agency:	2020-05-28 00:00:00.0
Handler Name:	PASADENA WELL
Handler Address:	170 PASADENA AVE
Handler City,State,Zip:	TUSTIN, CA 92780
EPA ID:	CAR000308643
Contact Name:	MATTHEW J OLMOS
Contact Address:	SERVICE RD

Actual:
135 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PASADENA WELL (Continued)

1026171624

Contact City,State,Zip:	TUSTIN, CA 92780
Contact Telephone:	714-573-3383
Contact Fax:	Not reported
Contact Email:	MOLMOS@TUSTINCA.ORG
Contact Title:	WATER TREATMENT OPERATOR
EPA Region:	09
Land Type:	Municipal
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	CENTENNIAL WAY
Mailing City,State,Zip:	TUSTIN, CA 92780
Owner Name:	CITY OF TUSTIN
Owner Type:	Municipal
Operator Name:	WATER SERVICES
Operator Type:	Municipal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PASADENA WELL (Continued)

1026171624

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-05-29 18:28:16.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D002
Waste Description:	CORROSIVE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CITY OF TUSTIN
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	300 CENTENNIAL WAY
Owner/Operator City,State,Zip:	TUSTIN, CA 92780
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	WATER SERVICES
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1472 SERVICE RD
Owner/Operator City,State,Zip:	TUSTIN, CA 92780
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2020-05-28 00:00:00.0
Handler Name:	PASADENA WELL
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PASADENA WELL (Continued)

1026171624

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 22131
NAICS Description: WATER SUPPLY AND IRRIGATION SYSTEMS

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

I62
East
1/8-1/4
0.248 mi.
1308 ft.

PASADENA WELL
170 PASADENA AVE
TUSTIN, CA 92780
Site 2 of 2 in cluster I

CERS HAZ WASTE
HAZNET
CERS
HWTS

S123057358
N/A

Relative:
Higher
Actual:
135 ft.

CERS HAZ WASTE:
Name:
Address:
City,State,Zip:
Site ID:
CERS ID:
CERS Description:

CITY OF TUSTIN - PASADENA AVE WELL
170 PASADENA AV
TUSTIN, CA 92780
106449
10564642
Hazardous Chemical Management

HAZNET:

Name: CITY OF TUSTIN, CA.
Address: 170 PASADENA AVE.
Address 2: Not reported
City,State,Zip: TUSTIN, CA 92780
Contact: JOE LOZANO
Telephone: 7145733178
Mailing Name: Not reported
Mailing Address: 300 CENTENNIAL WAY

Year: 2017
Gepaid: CAC002910407
TSD EPA ID: CAD097030993
CA Waste Code: 792 - Liquids with pH <= 2 with metals
Disposal Method: H070 -
Tons: 0.834

Year: 2017
Gepaid: CAC002910407
TSD EPA ID: CAD097030993
CA Waste Code: 121 - Alkaline solution (pH >= 12.5) with metals
Disposal Method: H070 -
Tons: 0.6255

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PASADENA WELL (Continued)

S123057358

Additional Info:

Year: 2017
Gen EPA ID: CAC002910407

Shipment Date: 20170516
Creation Date: 8/3/2018 18:30:48
Receipt Date: 20170516
Manifest ID: 015284738JJJ
Trans EPA ID: CAD053866794
Trans Name: PATRIOT ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD097030993
Trans Name: US ECOLOGY VERNON INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 121 - Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc

RCRA Code: D002
Meth Code: H070 - Not reported
Quantity Tons: 0.6255
Waste Quantity: 150
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170516
Creation Date: 8/3/2018 18:30:48
Receipt Date: 20170516
Manifest ID: 015284738JJJ
Trans EPA ID: CAD053866794
Trans Name: PATRIOT ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD097030993
Trans Name: US ECOLOGY VERNON INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 792 - Not reported
RCRA Code: D002
Meth Code: H070 - Not reported
Quantity Tons: 0.834
Waste Quantity: 200
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:

Name: CITY OF TUSTIN - PASADENA AVE WELL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PASADENA WELL (Continued)

S123057358

Address: 170 PASADENA AV
City,State,Zip: TUSTIN, CA 92780
Site ID: 106449
CERS ID: 10564642
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 106449
Site Name: CITY OF TUSTIN - PASADENA AVE WELL
Violation Date: 5/5/2014
Citation: 19 CCR 4.5 2735.5(d)(3) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2735.5(d)(3)
Violation Description: Failure to ensure that response actions have been coordinated with local emergency planning and response agencies
Violation Notes: Coordinate with local emergency responders and provide a copy to this agency. (Item 11)
Violation Division: Orange County Environmental Health
Violation Program: CalARP
Violation Source: CERS

Site ID: 106449
Site Name: CITY OF TUSTIN - PASADENA AVE WELL
Violation Date: 9/3/2019
Citation: 19 CCR 4.5 2765.1(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2765.1(b)
Violation Description: Failure of a stationary source whose employees will not respond to accidental releases of regulated substances to meet the following: 1. With only regulated toxic substances held in a process above the threshold quantity, is included in the community emergency response plan developed under Section 11003 of Title 42 of the United States Code (USC), is included in the city or county Hazardous Materials Area plans, and/or is included in the business plan program, pursuant to Section 25507 of the Health & Safety Code. The owner or operator must document that response actions have been coordinated with the local fire department and hazardous materials response agencies; 2. With only regulated flammable substances held in a process above the threshold quantity, the owner or operator must document that response actions have been coordinated with the local fire department and hazardous materials response agencies; and, 3. Appropriate mechanisms and written procedures are in place to notify emergency responders when there is a need for a response.
Violation Notes: OBSERVATION: The owner/operator of a facility that does not respond to accidental releases of regulated substances failed to meet the following: the owner/operator failed to document that response actions have been coordinated with the local fire department and hazardous materials response agencies; CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating the owner/operator has met the requirements noted above. Copy this agency in an email or letter to your local fire station.
Violation Division: Orange County Environmental Health
Violation Program: CalARP
Violation Source: CERS

Site ID: 106449
Site Name: CITY OF TUSTIN - PASADENA AVE WELL
Violation Date: 5/5/2014
Citation: 19 CCR 4.5 2765.2(c) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2765.2(c)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PASADENA WELL (Continued)

S123057358

Violation Description: Failure to promptly provide to the local emergency planning committee or emergency response officials information necessary for developing and implementing the community emergency response plan upon request.

Violation Notes: Update the emergency response program site documents with the correct information. Provide a copy to this agency. (Item 12)

Violation Division: Orange County Environmental Health

Violation Program: CalARP

Violation Source: CERS

Site ID: 106449

Site Name: CITY OF TUSTIN - PASADENA AVE WELL

Violation Date: 5/5/2014

Citation: 19 CCR 4.5 2755.2(f) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.2(f)

Violation Description: Failure to update the hazard review whenever a major change in the process occurs.

Violation Notes: Provide dates of completion or scheduled dates of completion for hazard assessment recommendations. (Item 10)

Violation Division: Orange County Environmental Health

Violation Program: CalARP

Violation Source: CERS

Site ID: 106449

Site Name: CITY OF TUSTIN - PASADENA AVE WELL

Violation Date: 5/5/2014

Citation: 19 CCR 4.5 2755.6(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.6(a)

Violation Description: Failure to certify that they have evaluated compliance with the provisions of this article at least every three years to verify that the procedures and practices developed under this chapter are adequate and are being followed.

Violation Notes: Provide a copy of the compliance audit with dates of completion or scheduled dates of completion to this agency. (Item 9)

Violation Division: Orange County Environmental Health

Violation Program: CalARP

Violation Source: CERS

Site ID: 106449

Site Name: CITY OF TUSTIN - PASADENA AVE WELL

Violation Date: 5/5/2014

Citation: 19 CCR 4.5 2745.1(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2745.1(a)

Violation Description: Failure to submit an RMP which includes all requirements described in Section 2745.3 through 2745.9.

Violation Notes: Provide copies of training documents and verification of trainings that are related to the covered process. (Item 8)

Violation Division: Orange County Environmental Health

Violation Program: CalARP

Violation Source: CERS

Site ID: 106449

Site Name: CITY OF TUSTIN - PASADENA AVE WELL

Violation Date: 5/5/2014

Citation: 19 CCR 4.5 2745.1(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2745.1(a)

Violation Description: Failure to submit an RMP which includes all requirements described in Section 2745.3 through 2745.9.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PASADENA WELL (Continued)

S123057358

Violation Notes: Operating procedures are a Program Level 2 component. Ensure operating procedures are in place for transportation of chlorine gas between water district facilities. Provide a copy to this agency. (Item 6)
Operating procedures are a Program Level 2 component. Ensure operating procedures and checklists are in place for maintenance inspections. Provide a copy to this agency. (Item 7)
Violation Division: Orange County Environmental Health
Violation Program: CalARP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-19-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous materials inspection. An inspection of the facility was completed with Mike Chandler. Observed the hazardous materials storage areas. The following reportable hazardous materials were observed today: - 250 gallon tank sodium hydroxide solution - 300 pounds chlorine gas - 300 gallons diesel fuel in belly tank of generator Reviewed and verified site map item locations. Emergency response and contact information is available for review. Routine safety meetings include hazardous materials and emergency response training.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-13-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed HMBEP submission package on CERS, DENIED. Request for re-submittal this date. The following corrections are needed: Chemical Inventory 20% Caustic Solution G you have listed this as a Pure substance, please provide the CAS #. If there is no CAS #, change the Hazardous Material Type to Mixture and complete the Hazardous Components chart; provide the Fire Code Hazard Classes; Site Map G Please provide a symbol key for notations used on the map. Please also include the location of any storm drains and sewers
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-13-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and declined HMBEP submittal. The following corrections are still needed: CONTNGENCY PLAN Please complete section G G Safety and First Aid and Spill Control and Clean-up & Section H G Earthquake Vulnerability.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PASADENA WELL (Continued)

S123057358

Eval Date: 08-21-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS review - requested changes made and accepted
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-15-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS: review & accept 9/19/16 submittal // requested validation on chlorine cylinder size (100 vs 150 lb) // updated site map provided
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-05-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On-site for routine inspection. Met with Joe Lorenzo. Also present was Nadia Reesman of OCHCA. This facility is regulated under CalARP Program Level 2 Requirements. The following are the regulated substances on-site: 1) Chlorine (Gas) x 2 150lb cylinders The following items were replaced: 2) 8/14/13 Sensor change out date 3) 11/7/13 Plastic tubing change out date Per facility maintenance procedures items will be replaced before their manufacturer product life. Program Level 2 Requirements were reviewed this date: 1) The RMP is on-site and includes a Program Level 2 Certification statement which was signed. 2) The CalARP registration was current and complete. 3) The worst case release scenario as well as an alternative release scenario were present along with a map displaying the toxic endpoint. 4) The executive summary contained a certification that the facility has not had a release with an off-site consequence within the last 5 years was also [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-09-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Read/review HMBEP in CERS. Most of the HMBEP is correct. Please check the "regulated substances" box (CALARP) on the business activities page. Re submit for re evaluation.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-02-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On-site for routine inspection. Met with Joe Lozano, also present from

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

PASADENA WELL (Continued)

S123057358

OCHCA was Jon Alaniz and Michael Palazzola. This facility is a CalARP Program Level two, the regulated substances on-site are: -Chlorine gas, two, 150 pound cylinders The following items were replaced: -Chlorine sensors, 03/30/2015 -Plastic Tubing, 04/27/2016 Sensors have a manufacturer's life of five years, but they are replaced every 18 months Plastic Tubing is replaced on an annual basis. The CalARP registration is current and up to date. The worst case release scenario, the alternative release scenario, and the map displaying the toxic endpoint were reviewed. The executive summary contained a certification that this facility has not had a release in the past five years. This will be verified by checking with OCFA. This facility is not a responder facility. The following standard operating procedures were reviewed: Delivery from a third party, normal operation, start up, [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

Eval Date: 08-28-2019

Violations Found: Yes

Eval Type: Routine done by local agency

Eval Notes: On-site for a routine CalARP inspection. Met with Water Services Manager Michael Grisso from the City of Tustin. Also present was Jesse Ruiz of OCHCA. This facility is regulated under CalARP Program Level 2 requirements for five operating stationary sources that all utilize chlorine. One RMP covers the following stationary sources: 1. 245 East Main Street, Tustin G 1,350 pounds Chlorine 2. 17575 Vandenberg Ln, Tustin G 300 pounds Chlorine 3. 18602 17th St, Santa Ana - 300 pounds Chlorine 4. 170 Pasadena Ave, Tustin - 300 pounds Chlorine 5. 2100 E. Edinger, Tustin G 300 pounds Chlorine The Program Level 2 RMP was reviewed. The following were observed: -- RMP Certification: The RMP was last certified on 12/11/2017. The RMP revalidation is due in 12/2022. -- The Executive Summary was reviewed and was complete. -- The Worst-Case Release Analysis was reviewed and appeared accurate based on model parameters. -- The Alternative Release Analysis was [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Other/Unknown

Eval Date: 01-26-2018

Violations Found: No

Eval Type: Other, not routine, done by local agency

Eval Notes: Facility has complied with 2018 reporting requirement. Reviewed and accepted HMBEP submittal. Facility has disclosed 3 chemicals.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown

Eval Date: 03-14-2017

Violations Found: No

Eval Type: Other, not routine, done by local agency

Eval Notes: Facility has complied with 2017 reporting requirement. HMBEP was reviewed and declined. The following corrections are needed:

Map ID
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Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PASADENA WELL (Continued)

S123057358

	CONTNGENCY PLAN Please complete section G G Safety and First Aid and Spill Control and Clean-up & Section H G Earthquake Vulnerability.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-02-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTOR COMMENTS On site for routine hazardous materials and business emergency plan inspection. Consent to enter and inspect was given by Joe Lozano, water treatment supervisor. Observed the facility and inspected hazardous materials storage. The following materials were observed in amounts that meet or exceed the minimum volumes required for disclosure: -Chlorine gas, two, 150 pound cylinders, totaling 300 pounds Business emergency plan is maintained on site. Annual employee training is conducted. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) within 30 days of the change.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-02-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On-site for routine inspection. Met with Joe Lorenzo and Victor Barraza, City of Tustin Water. Also present was Amanda Nesbit and Jonathan Alaniz of OCHCA. This facility is regulated under CalARP Program Level 2 Requirements. The following are the regulated substances on-site: 1) RS = Chlorine (Gas) (Total = 300 lbs.) (Table 1 TQ = 2,500 lbs., Table 3 TQ = 100lbs.) 2 x 150lb cylinders (In use) The following items were replaced: 2) 3/30/2015 Sensor change out date 3) 4/27/2016 Plastic tubing change out date Per facility maintenance procedures items will be replaced before their manufacturer product life. Program Level 2 Requirements were reviewed this date: 1) The RMP is on-site and includes a Program Level 2 Certification statement which was signed. 2) The CalARP registration was current and complete. 3) The worst case release scenario as well as an alternative release scenario were present along with a map displaying the toxic endpoint. 4) The [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	CalARP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-21-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	CERS review - requested changes made and accepted
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PASADENA WELL (Continued)

S123057358

Eval General Type: Other/Unknown
Eval Date: 09-01-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 6 violations from the 2014 inspection were not properly abated in 2016. Administratively abated this date.
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-10-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS review - suggested changes for site map
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-05-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Joint routine inspection and site audit for Cal-ARP with Michael Palazzola (HWS).
Eval Division: Orange County Environmental Health
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-13-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2016 Annual Review: Map not acceptable and ER Plan does not well address Chlorine gas handling
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Affiliation:

Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer Road Suite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6406

Affiliation Type Desc: Environmental Contact
Entity Name: Mike Chandler
Entity Title: Not reported
Affiliation Address: 1472 Service Rd.
Affiliation City: Tustin
Affiliation State: CA
Affiliation Country: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PASADENA WELL (Continued)

S123057358

Affiliation Zip: 92780
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: City of Tustin - Water Services
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (714) 573-3178

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1472 Service Rd.
Affiliation City: Tustin
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92780
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Michael Grisso
Entity Title: Supervisor
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: City of Tustin
Entity Title: Not reported
Affiliation Address: 1472 Service Rd.
Affiliation City: Tustin
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92780
Affiliation Phone: (714) 573-3178

Affiliation Type Desc: Parent Corporation
Entity Name: CITY OF TUSTIN - PASADENA AVE WELL
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Dawn Harkey
Entity Title: Not reported
Affiliation Address: Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PASADENA WELL (Continued)

S123057358

Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:

Name: CITY OF TUSTIN, CA.
Address: 170 PASADENA AVE.
Address 2: Not reported
City,State,Zip: TUSTIN, CA 92780
EPA ID: CAC002910407
Inactive Date: 08/16/2017
Create Date: 05/16/2017
Last Act Date: 08/16/2017
Mailing Name: Not reported
Mailing Address: 300 CENTENNIAL WAY
Mailing Address 2: Not reported
Mailing City,State,Zip: TUSTIN, CA 92780
Owner Name: CITY OF TUSTIN
Owner Address: 300 CENTENNIAL WAY
Owner Address 2: Not reported
Owner City,State,Zip: TUSTIN, CA 92780
Contact Name: JOE LOZANO
Contact Address: 1472 SERVICE ROAD
Contact Address 2: Not reported
City,State,Zip: TUSTIN, CA 92780

NAICS:

EPA ID: CAC002910407
Create Date: 2017-05-16 06:55:37.690
NAICS Code: 22131
NAICS Description: Water Supply and Irrigation Systems
Issued EPA ID Date: 2017-05-16 06:55:37.70000
Inactive Date: 2017-08-16 03:00:26.88700
Facility Name: CITY OF TUSTIN, CA.
Facility Address: 170 PASADENA AVE.
Facility Address 2: Not reported
Facility City: TUSTIN
Facility County: Not reported
Facility State: CA
Facility Zip: 92780

Name: PASADENA WELL
Address: 170 PASADENA AVE
Address 2: Not reported
City,State,Zip: TUSTIN, CA 92780
EPA ID: CAR000308643
Inactive Date: Not reported
Create Date: 05/29/2020
Last Act Date: 07/28/2020
Mailing Name: Not reported
Mailing Address: 300 CENTENNIAL WAY
Mailing Address 2: Not reported
Mailing City,State,Zip: TUSTIN, CA 92780

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PASADENA WELL (Continued)

S123057358

Owner Name: WATER SERVICES
Owner Address: 1472 SERVICE RD
Owner Address 2: Not reported
Owner City,State,Zip: TUSTIN, CA 92780
Contact Name: MATTHEW OLMOS
Contact Address: 1472 SERVICE RD
Contact Address 2: Not reported
City,State,Zip: TUSTIN, CA 92780

NAICS:

EPA ID: CAR000308643
Create Date: 2020-05-29 15:28:11.390
NAICS Code: 22131
NAICS Description: Water Supply and Irrigation Systems
Issued EPA ID Date: 2020-05-29 15:28:11.37300
Inactive Date: Not reported
Facility Name: PASADENA WELL
Facility Address: 170 PASADENA AVE
Facility Address 2: Not reported
Facility City: TUSTIN
Facility County: Not reported
Facility State: CA
Facility Zip: 92780

Name: CITY OF TUSTIN, CA.
Address: 170 PASADENA AVE.
Address 2: Not reported
City,State,Zip: TUSTIN, CA 92780
EPA ID: CAC002897264
Inactive Date: 05/16/2017
Create Date: 02/13/2017
Last Act Date: 05/16/2017
Mailing Name: Not reported
Mailing Address: 300 CENTENNIAL WAY
Mailing Address 2: Not reported
Mailing City,State,Zip: TUSTIN, CA 92780
Owner Name: CITY OF TUSTIN
Owner Address: 300 CENTENNIAL WAY
Owner Address 2: Not reported
Owner City,State,Zip: TUSTIN, CA 92833
Contact Name: JOE LOZANO
Contact Address: 1472 SERVICE ROAD
Contact Address 2: Not reported
City,State,Zip: TUSTIN, CA 92833

NAICS:

EPA ID: CAC002897264
Create Date: 2017-02-13 15:00:11.230
NAICS Code: 22131
NAICS Description: Water Supply and Irrigation Systems
Issued EPA ID Date: 2017-02-13 15:00:11.25000
Inactive Date: 2017-05-16 03:00:12.40000
Facility Name: CITY OF TUSTIN, CA.
Facility Address: 170 PASADENA AVE.
Facility Address 2: Not reported
Facility City: TUSTIN
Facility County: Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PASADENA WELL (Continued)

S123057358

Facility State: CA
Facility Zip: 92780

J63
NE
1/4-1/2
0.252 mi.
1330 ft.

SHELL SERVICE STATION
401 TUSTIN
SANTA ANA, CA 92705
Site 1 of 3 in cluster J

LUST **S104791769**
HIST CORTESE **N/A**

Relative:
Higher

Actual:
147 ft.

LUST REG 8:
Name: SHELL #401
Address: 401 TUSTIN AVE
City: SANTA ANA
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083000867T
Local Case Num: Not reported
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site

Cross Street: 4TH
Enf Type: CLOS
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: UNK
Leak Source: Tank
Global ID: T0605900685
How Stopped Date: 9/6/1989
Enter Date: 5/27/1988
Date Confirmation of Leak Began: Not reported
Date Preliminary Assessment Began: 3/2/1990
Discover Date: 9/6/1989
Enforcement Date: 1/1/1965
Close Date: 5/9/1991
Date Prelim Assessment Workplan Submitted: Not reported
Date Pollution Characterization Began: 5/31/1988
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring: Not reported
Enter Date: 5/27/1988
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.74847211
Longitude: -117.8338384
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 1
Max MTBE Soil: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

S104791769

MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class: *
Staff: CAB
Staff Initials: JB
Lead Agency: Local Agency
Local Agency: Santa Ana, Orange County
Hydr Basin #: COASTAL PLAIN OF ORA
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

HIST CORTESE:

edr_fname: SHELL SERVICE STATION
edr_fadd1: 401 TUSTIN
City,State,Zip: SANTA ANA, CA 92705
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083000867T

J64
NE
1/4-1/2
0.272 mi.
1434 ft.
Site 2 of 3 in cluster J

Relative:
Higher

Actual:
148 ft.

US GAS
401 N TUSTIN AVE
SANTA ANA, CA 92705

LUST
CERS HAZ WASTE
CERS TANKS
CA FID UST
Cortese
HAZNET
CERS
HWTS

S101619798
N/A

LUST:

Name: SHELL OIL PRODUCTS US
Address: 401 N. TUSTIN AVENUE
City,State,Zip: SANTA ANA, CA
Lead Agency: SANTA ANA RWQCB (REGION 8)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605934780
Global Id: T0605934780
Latitude: 33.748372493
Longitude: -117.834067052
Status: Completed - Case Closed
Status Date: 12/23/2013
Case Worker: CAB
RB Case Number: 08303690T
Local Agency: SANTA ANA, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0605934780
Contact Type: Regional Board Caseworker
Contact Name: CARL BERNHARDT
Organization Name: SANTA ANA RWQCB (REGION 8)

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: carl.bernhardt@waterboards.ca.gov
Phone Number: 9517824495

Global Id: T0605934780
Contact Type: Local Agency Caseworker
Contact Name: CHRISTOPHER CIRAULO
Organization Name: SANTA ANA, CITY OF
Address: 1439 S. BROADWAY
City: SANTA ANA
Email: cciraulo@santa-ana.org
Phone Number: Not reported

LUST:

Global Id: T0605934780
Action Type: ENFORCEMENT
Date: 10/18/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0605934780
Action Type: ENFORCEMENT
Date: 12/23/2013
Action: Closure/No Further Action Letter

Global Id: T0605934780
Action Type: Other
Date: 02/02/2003
Action: Leak Reported

Global Id: T0605934780
Action Type: RESPONSE
Date: 01/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0605934780
Action Type: RESPONSE
Date: 07/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0605934780
Action Type: RESPONSE
Date: 04/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0605934780
Action Type: RESPONSE
Date: 01/30/2006
Action: Monitoring Report - Quarterly

Global Id: T0605934780
Action Type: RESPONSE
Date: 04/30/2006
Action: Monitoring Report - Quarterly

Global Id: T0605934780
Action Type: RESPONSE

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Date:	07/30/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	10/30/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	01/30/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	07/23/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	02/29/2012
Action:	Well Installation Workplan
Global Id:	T0605934780
Action Type:	ENFORCEMENT
Date:	03/12/2009
Action:	Staff Letter
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	07/30/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0605934780
Action Type:	ENFORCEMENT
Date:	07/29/2009
Action:	Staff Letter
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	08/15/2003
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	10/30/2007
Action:	Monitoring Report - Quarterly
Global Id:	T0605934780
Action Type:	ENFORCEMENT
Date:	07/29/2003
Action:	* No Action
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	01/30/2010
Action:	Monitoring Report - Quarterly

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Global Id:	T0605934780
Action Type:	RESPONSE
Date:	04/30/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	01/30/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	10/30/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	07/30/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	10/30/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	01/21/2009
Action:	Pilot Study / Treatability Workplan
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	03/26/2010
Action:	Soil and Water Investigation Workplan
Global Id:	T0605934780
Action Type:	Other
Date:	02/02/2003
Action:	Leak Discovery
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	06/13/2003
Action:	Soil and Water Investigation Report
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	07/30/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	04/30/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0605934780
Action Type:	RESPONSE

Map ID
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Date:	07/30/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	10/30/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	01/30/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	04/03/2013
Action:	Request for Closure - Regulator Responded
Global Id:	T0605934780
Action Type:	ENFORCEMENT
Date:	07/25/2007
Action:	Staff Letter
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	04/30/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	07/30/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	10/30/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	01/30/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	01/30/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	03/30/2010
Action:	Well Installation Workplan
Global Id:	T0605934780
Action Type:	RESPONSE
Date:	07/30/2010
Action:	Monitoring Report - Semi-Annually

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Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Global Id: T0605934780
Action Type: REMEDIATION
Date: 02/02/2003
Action: Not reported

Global Id: T0605934780
Action Type: ENFORCEMENT
Date: 08/15/2013
Action: Notification - Public Notice of Case Closure

Global Id: T0605934780
Action Type: RESPONSE
Date: 10/30/2004
Action: Monitoring Report - Quarterly

Global Id: T0605934780
Action Type: RESPONSE
Date: 05/30/2007
Action: Interim Remedial Action Plan

Global Id: T0605934780
Action Type: RESPONSE
Date: 04/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0605934780
Action Type: RESPONSE
Date: 01/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0605934780
Action Type: RESPONSE
Date: 07/30/2011
Action: Monitoring Report - Semi-Annually

LUST:

Global Id: T0605934780
Status: Open - Case Begin Date
Status Date: 02/02/2003

Global Id: T0605934780
Status: Open - Verification Monitoring
Status Date: 02/02/2003

Global Id: T0605934780
Status: Open - Eligible for Closure
Status Date: 06/07/2013

Global Id: T0605934780
Status: Completed - Case Closed
Status Date: 12/23/2013

Name: SHELL #401
Address: 401 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
Lead Agency: SANTA ANA, CITY OF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900685
Global Id: T0605900685
Latitude: 33.748536
Longitude: -117.833745
Status: Completed - Case Closed
Status Date: 05/09/1991
Case Worker: CC
RB Case Number: 083000867T
Local Agency: SANTA ANA, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0605900685
Contact Type: Regional Board Caseworker
Contact Name: CARL BERNHARDT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: carl.bernhardt@waterboards.ca.gov
Phone Number: 9517824495

Global Id: T0605900685
Contact Type: Local Agency Caseworker
Contact Name: CHRISTOPHER CIRAULO
Organization Name: SANTA ANA, CITY OF
Address: 1439 S. BROADWAY
City: SANTA ANA
Email: cciraulo@santa-ana.org
Phone Number: Not reported

LUST:

Global Id: T0605900685
Action Type: Other
Date: 04/18/1988
Action: Leak Reported

Global Id: T0605900685
Action Type: ENFORCEMENT
Date: 05/09/1991
Action: Closure/No Further Action Letter

Global Id: T0605900685
Action Type: Other
Date: 09/06/1989
Action: Leak Discovery

Global Id: T0605900685
Action Type: Other
Date: 09/06/1989
Action: Leak Stopped

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

LUST:

Global Id:	T0605900685
Status:	Open - Case Begin Date
Status Date:	04/18/1988
Global Id:	T0605900685
Status:	Open - Site Assessment
Status Date:	05/31/1988
Global Id:	T0605900685
Status:	Open - Site Assessment
Status Date:	03/02/1990
Global Id:	T0605900685
Status:	Completed - Case Closed
Status Date:	05/09/1991

CERS HAZ WASTE:

Name:	US GAS
Address:	401 N TUSTIN AVE
City,State,Zip:	SANTA ANA, CA 92705
Site ID:	413841
CERS ID:	10523395
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	US GAS
Address:	401 N TUSTIN AVE
City,State,Zip:	SANTA ANA, CA 92705
Site ID:	413841
CERS ID:	10523395
CERS Description:	Underground Storage Tank

CA FID UST:

Facility ID:	30013237
Regulated By:	UTNKA
Regulated ID:	00011136
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	401 N TUSTIN
Mailing Address 2:	Not reported
Mailing City,St,Zip:	SANTA ANA 92705
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CORTESE:

Name:	SHELL #401

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Address: 401 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0605900685
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HAZNET:

Name: K & K BUSINESS INC DBA US GAS
Address: 401 N TUSTIN AVE
Address 2: Not reported
City,State,Zip: SANTA ANA, CA 927053808
Contact: AZMI KATYLO
Telephone: 7145473966
Mailing Name: Not reported
Mailing Address: 401 N TUSTIN AVE

Year: 2019
Gepaid: CAL000213623
TSD EPA ID: CAL000330453
CA Waste Code: 352 - Other organic solids
Disposal Method: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons: 0.15000

Year: 2018
Gepaid: CAL000213623
TSD EPA ID: CAL000330453
CA Waste Code: 352 - Other organic solids
Disposal Method: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons: 0.15000

Year: 2018
Gepaid: CAL000213623
TSD EPA ID: CAL000330453
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.10000

Year: 2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Gepaid: CAL000213623
TSD EPA ID: CAD028409019
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.136

Year: 2016
Gepaid: CAL000213623
TSD EPA ID: CAD028409019
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0825

Year: 2016
Gepaid: CAL000213623
TSD EPA ID: CAD028409019
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.06

CERS:

Name: SHELL #401
Address: 401 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
Site ID: 233370
CERS ID: T0605900685
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: CARL BERNHARDT - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517824495

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CHRISTOPHER CIRAULO - SANTA ANA, CITY OF
Entity Title: Not reported
Affiliation Address: 1439 S. BROADWAY
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: SHELL OIL PRODUCTS US
Address: 401 N. TUSTIN AVENUE
City,State,Zip: SANTA ANA, CA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Site ID: 248834
CERS ID: T0605934780
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CHRISTOPHER CIRAULO - SANTA ANA, CITY OF
Entity Title: Not reported
Affiliation Address: 1439 S. BROADWAY
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: CARL BERNHARDT - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517824495

Name: US GAS
Address: 401 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
Site ID: 413841
CERS ID: 10523395
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 413841
Site Name: US GAS
Violation Date: 3/9/2020
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 03/09/2020. (1) Observed a faded and illegible hazardous waste label attached to the 275-gallon container of used oil. (2) Observed missing information on the hazardous waste label attached to the 55-gallon container of waste oil filters (non-metal). New hazardous waste labels with all required labeling elements were provided and attached to the waste containers at the time of inspection. The violation was corrected.

Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 413841
Site Name: US GAS
Violation Date: 3/9/2020

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violation Notes: Returned to compliance on 04/15/2020. ON SITE: - The Certification of Financial Responsibility (CFR) form was invalid. Document is dated 3/19/2019 with the coverage period of 04/04/2018 - 04/04/2019. CERS: - The CFR form (dated 4/8/2019) is missing the date of signature for the Witness/Notary. Submit a revised copy of the CFR form in CERS within 30 days and maintain a copy of the revised form on site.

Violation Division: Orange County Environmental Health

Violation Program: UST

Violation Source: CERS

Site ID: 413841

Site Name: US GAS

Violation Date: 3/17/2014

Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 04/15/2014. some waste oil drums not initially marked with required information; violation ABATED during the inspection after required information was added to drums.

Violation Division: Orange County Environmental Health

Violation Program: HW

Violation Source: CERS

Site ID: 413841

Site Name: US GAS

Violation Date: 3/17/2014

Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections

Violation Description: UST Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 03/17/2015. facility employees not trained by Designated Operator annually.

Violation Division: Orange County Environmental Health

Violation Program: UST

Violation Source: CERS

Site ID: 413841

Site Name: US GAS

Violation Date: 3/15/2018

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violation Notes: Returned to compliance on 04/24/2018. OBSERVATION: The facility has not submitted a complete Hazardous Materials Inventory Page for all chemicals. All chemicals are currently missing the Chemical Location element. CORRECTIVE ACTION: Complete and submit the Hazardous Materials Inventory Chemical Description page for all materials by adding the proper Chemical Location in the California Environmental Reporting System (CERS) within 30 days.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 413841
Site Name: US GAS
Violation Date: 3/17/2015
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 12/19/2015. Facility has not addressed reviewer's comments regarding the declination of electronically submitted UST forms. Update forms and resubmit within 30 days.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 413841
Site Name: US GAS
Violation Date: 3/9/2020
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 06/03/2020. Training records were outdated; records dated 11/13/2017. All employees are required to be trained annually; new employees are required to be trained within 6 months. Provide employee training that covers safety procedures in the event of a release or threatened release of a hazardous material. Submit training records to this agency within 30 days with the following information documented: - Topic of training - Date of training - Employee name - Employee signature

Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 413841
Site Name: US GAS
Violation Date: 3/17/2014
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 04/15/2014. some waste oil drums not initially marked with accumulation G startG dates; violation ABATED during the inspection after start date information was added to drums.

Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 413841
Site Name: US GAS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Violation Date: 3/9/2020
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 04/15/2020. The following hazardous materials are stored on site at/or above threshold quantities and must be added to the inventory in CERS: - New Motor Oil (2 x 75-gallon tanks) - New Coolant (1 x 55-gallon container) Update and resubmit the inventory via CERS within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 413841
Site Name: US GAS
Violation Date: 3/15/2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 03/15/2018. OBSERVATION: One metal 55-gallon drum of metal filters, one 55-gallon metal drum of paper filters, and one 55-gallon poly drum of waste coolant were unreadable/missing the accumulation start date. All hazardous waste containers shall be marked with the following information: 1) the words G Hazardous WasteG ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: All three containers were properly labeled on site. No further corrective action necessary.
Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 413841
Site Name: US GAS
Violation Date: 3/17/2014
Citation: 22 CCR 15 66265.31 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.31
Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment.
Violation Notes: Returned to compliance on 04/15/2014. haz waste storage area not maintained to prevent spillage of waste oil (haz waste) residues to drum tops, drum sides, and waste oil storage pavement; activeG waste oil, spent anti-freeze, and drained used oil filter drums were cleaned satisfactorily during the inspection; violation to be abated when haz

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

waste residues are removed from the outside surfaces of the empty G back-upG drums that are stored in an adjacent chain-link enclosure.

Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 413841
Site Name: US GAS
Violation Date: 3/17/2015
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2

Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Violation Notes: Returned to compliance on 04/25/2015. Facility has not complied with annual reporting requirements. Please review reviewer's comments regarding the declination of electronically submitted HMBEP forms and resubmit within 2 weeks..

Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 413841
Site Name: US GAS
Violation Date: 3/9/2020
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22

Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.

Violation Notes: Returned to compliance on 03/09/2020. The accumulation start date on the 55-gallon container of used oil filters (metal) was incorrect. Manifests were reviewed and the correct accumulation start date was determined. Label was updated at the time of inspection. The violation was corrected.

Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 413841
Site Name: US GAS
Violation Date: 3/17/2014
Citation: 23 CCR 16 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666

Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.

Violation Notes: Returned to compliance on 03/28/2014. A/V alarm system did not function properly.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 413841
Site Name: US GAS
Violation Date: 3/17/2014
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173

Violation Description: Failure to properly close hazardous waste containers when not in active use.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Violation Notes: Returned to compliance on 04/15/2014. some waste oil drums not stored closed; violation ABATED during the inspection after open drums were closed when waste was not being added/removed.

Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 413841
Site Name: US GAS
Violation Date: 3/18/2019
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violation Notes: Returned to compliance on 04/13/2019. Certification of Financial Responsibility (CFR) submitted to the California Environmental Reporting System (CERS) indicates facility has \$500,000 per occurrence. Facility is a retail store and must demonstrate 1 million dollars per occurrence. Update CFR Form in CERS and provide a copy of the updated form to the site and to this agency.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 413841
Site Name: US GAS
Violation Date: 3/9/2020
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)

Violation Description: Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).

Violation Notes: Returned to compliance on 06/03/2020. Only one employee has been trained by the DO as indicated on the DO training record dated 1/23/2020. The listed employee was not present at the time of inspection during operating hours. Please provide DO training records indicating that at least one trained employee is present during operating hours. Submit training records to this agency within 30 days.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 413841
Site Name: US GAS
Violation Date: 3/17/2014
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate response plan.

Violation Notes: Returned to compliance on 03/17/2015. UST Leak Response Plan not retained at the site for employee use.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Evaluation:

Eval General Type: Other/Unknown
Eval Date: 01-04-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Your HMBEP has been declined, please revise and resubmit within 30 days. Please input your EPA ID# If you have any questions please contact me at anesbit@ochca.com or 714-640-4249. Thank you

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-24-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed status of electronic submittal of HMBEP forms and found no submittal as of today. Facility is required and has been notified to electronically submit Hazardous Materials Business Emergency Plans and Chemical Inventory Forms by 2/23/2014. Facility can submit forms electronically by going to www.esubmit.ocgov.com and requesting a username and password. User guides and tutorials are located on the home page to help you get started. If you are having trouble, please contact 714-433-6000.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-15-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification for 3-16-17
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-22-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed CERS submission Facility Information: Not Accepted Your EPA ID # is currently showing as inactive through the Department of Toxic Substances Control (DTSC) website. Please re-active, this can be done at <http://www.dtsc.ca.gov/IDManifest/PERMHWID.cfm>. Hazardous Materials Inventory: Not Accepted Your submission has been reviewed and declined, please correct. ANTI-FREEZE: add CA State Waste Code (135). USED MOTOR OIL: add CA State Waste Code (221), storage temperature should be Ambient. If you have questions about your submission you may contact me at eminson@ochca.com or 714-290-7459. Emergency Response/Training Plans: Accepted
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-08-2019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Monitor Certification moved to 03/18/2019 at 9:00am
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-16-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Monitor cert notification
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-17-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	SB 989 test notification
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-09-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site for routine hazardous materials and business emergency plan inspection. Observed the facility and inspected hazardous materials storage. The following materials were observed in amounts that meet or exceed the minimum volumes required for disclosure: - Gasoline (2 x USTs; 27,000 gallons) - New coolant (1 x 55-gallon container) - New motor oil (2 x 75-gallon tanks) - Used oil (1 x 275-gallon container) The facility is responsible for identifying all hazardous materials, and to include hazardous wastes, which are above disclosure thresholds (55 gallons of a liquid, 500 pounds of a solid, 200 cubic feet of a compressed gas). If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) within 30 days of the change. Hazardous Materials documents can be submitted via the California Environmental Reporting System (CERS) located at http://cers.calepa.ca.gov/ . Please note: The [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-09-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site for routine UST inspection and to observe the following testing activities: - Annual Monitoring System Certification - Spill Container Testing The facility has the following double-walled tanks: - Regular (87) gasoline: 15,000 gallons - Premium (91) gasoline: 12,000 gallons Tanks are monitored by a Veeder-Root (VR) TLS-350

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
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US GAS (Continued)

S101619798

system. Turbine sumps, fill sumps, and UDCs are monitored by VR-208 sensors. Annulars are monitored by VR-301 sensors. Site has double-walled pressurized piping with mechanical line leak detectors (MLLD). 87 tank is equipped with a FE PETRO STP-MLD. 91 tank is equipped with a Red Jacket FX-IV. Positive shutdown and fail safe programming were verified. Audible/Visual Alarms (ATGs/In-tank probes) are utilized for overfill prevention. Overfill prevention testing was last performed on 3/18/2019. It must be tested every 36 months. Secondary containment test was last performed on 5/16/2019. It must be tested every 36 [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-11-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following documents were received by this agency: - Monitoring System Certification Form (dated 3/9/2020) - Spill Container Testing Report Form (dated 3/9/2020) The following components were tested and PASSED: - Annular Space Sensors (2 x VR-301) - Product Piping Sump Sensors (2 x VR-208) - Filling Piping Sump Sensors (2 x VR-208) - Mechanical LLDs (1 x STP-MLD for 87, 1 x FXIV for 91) - UDC Sensors (4 x VR-208) - Spill Containers (2x) A copy of this report will be sent to: Azmi Katlyo (Owner) <akatylo@yahoo.com>

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-13-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: - review 7800 history for fill-in inspection to be conducted for EHD's M. O'Donnell; - review personal site history as previous inspection district.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-15-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-16-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: I received a copy of Secondary Containment Testing Report Form (3 year SB989) for activities conducted on 5/4/16. All components passed test.
Eval Division: Orange County Environmental Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTOR COMMENTS On site for a routine hazardous waste inspection. Observed facility and inspected hazardous waste storage areas. Permission to conduct inspection was given by Azmi Katlyo, owner. Gas station and repair shop generates the following hazardous wastes: waste oil, used oil filters and waste coolant. Containers of hazardous waste were stored closed and properly labeled. Containers appeared to be in good condition. Manifests were available for review. Facility is currently assigned and using active EPA ID Number CAL000213623. Emergency information is available. Inspected perimeter of facility and dumpster area.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-17-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTOR COMMENTS On site for a follow up hazardous materials and business emergency plan inspection. Business has not complied with the requirement to submit/certify the Hazardous Materials and Business Emergency Plan by March 1st (see violation). Business has previously submitted forms electronically on E-submit, however package was declined by the inspector and instructions left regarding needed corrections. Please submit updated forms within two weeks.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-17-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Prepared for on site inspection.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-17-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	I received a copy of Monitoring System Certification, Mechanical Line Leak Detector Test Data Chart and Spill Bucket Testing Report Form for activities conducted on 3/16/17. All components passed test.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Eval Date: 04-25-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Review 4/8/15 HazMat submittal (e-submit) - Accepted. Violation abated.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-22-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Change UST status to not get a permit, per Nofal.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-15-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Onsite to witness the annual monitoring system certification and spill bucket test. Martin Schwartz of OC Tank Testing provided the following valid certifications: ICC, Veeder-Root, VMI. There are two double-walled USTs onsite: 15K gallons of 87, 12K gallons of 91. The fill and STP sumps, and UDCs 1/2, 3/4, 5/6, 7/8 are monitored by VR-208 sensors. The wet annulars have VR-301 sensors in use. Overfill prevention is provided by ATGs connected to an outside annunciator. The product lines have mechanical leak detectors in use. The UST system is monitored by a Veeder-Root TLS-350 panel. Fail-Safe and Sensor Out were demonstrated operational. The following documents were reviewed: Permit Monitor Cert 3/16/17, SB989 5/4/16 DO monthly inspections, DO training Reviewed CERS ID# 10523395 UST submittal dated 2/27/18 onsite during this inspection. The Facility Information was ACCEPTED. The UST submittal was NOT ACCEPTED. Please make the following changes and resubmit within 30 [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-26-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed documents submitted to CERS on 6/29/17 were reviewed and not accepted with the following considerations: Date UST System Installed (1/1/2014) listed on Tank Information pages is not correct since tanks installed in 2014 would be a VPH system and tanks at this facility are not VPH system. Please correct UST installation date. Monitoring Plan for both tanks must be revised as follows (errors occurred during data transfer from E-submit to CERS): - G YesG listed for Automatic Tank Gauging under Tank Monitoring is Performed Using the Following Method(s) section must be deleted since this method is used for single wall tanks and tank at this site is double walled. - G YesG listed for Electronic Line Leak Detector and Pipeline Integrity Testing under Pipe Monitoring is Performed Using the Following method(s) section

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
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US GAS (Continued)

S101619798

must be deleted. This facility has Mechanical Line Leak Detectors. - G
No DispenserG listed under Under Dispenser Containment (UDC) section
must be [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-11-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-17-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Azmi Katylo (owner/operator), Diko Bederlian (mechanic), and Firas Hammour (cashier) consented to/assisted with this routine, annual, haz waste inspection. Haz waste generated by automotive service/repair processes at this US GAS gas station garage. I used a haz waste compliance checklist used to review required record keeping and to survey haz waste management: - three (3) year disposal document record keeping available; - haz waste emergency response card with G co-ordinator name/cell # posted for employee use; - haz waste stored in compatible containers on a raised berm behind the shop. Mike OG Donnell is the primary haz waste district inspector for this facility. You can contact Mike at this agency for haz waste compliance assistance (714-640-4249). See also the website for this agency (www.occupainfo.com) for additional information and the haz waste G BasicsG reference. Please correct haz waste compliance items within 30 days. Please sign, date, and return [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-17-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: INSPECTOR COMMENTS On site for routine underground storage tank inspection, monitoring system certification, and spill bucket testing. The facility has two double walled tanks monitored by a Veeder Root system. Monitor is operational for audible and visual alarms. Positive shutdown and fail safe programming were verified. ATGs are installed for overfill prevention. All sump and UDC sensors were found to be located at the lowest point of each sump/UDC. All sumps and UDCs appeared to be dry. Fail-safe system functioned properly. Fail-safe system was tested by cutting power to the Veeder Root control panel. Turbine engines shut down when the power was removed. ATGs and an external alarm were installed for overfill protection. ATGs were set to 90% and the external alarm sounded for more than 30 seconds. Spill buckets were visually tested for 30 minutes. At the end of the test period, no indication of leakage was observed. Leak detectors were

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

tested and passed. [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-17-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector Comments: On site to witness monitoring system certification testing activities and to conduct routine UST inspection. All sump sensors alarmed properly (visual and audible) and shut down respective turbine when submerged in water. All annular sensors alarmed properly (visual and audible) and shut down respective turbine when submerged in water. All UDC sensors alarmed properly (visual and audible) and shut down all turbines when submerged in water. Fail-safe, sensor out and emergency shut off were tested and passed. Line leak detectors were tested and passed. All ATGs were tested and passed test with the enunciator functioning properly. Site has flappers for overfill prevention. Spill buckets were tested visually without any changes in water level. Valid permit, designated operator documentation, monthly inspection reports, responses to alarms, monitoring plan, response plan, employee training records, tank pages, certification of [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-17-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Documents submitted to E-submit on 1/16/16 were reviewed and declined with the following considerations: UST Tanks: - Based on observation made onsite by this agency during monitoring system certification testing, tanks at this site do not have G Fill Tube Shut-off Valve. G - Section G VIII. Corrosion ProtectionG must be filled out. Please revise and resubmit tank information pages. Monitoring plan was corrected on site during the inspection.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-21-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector Comments: I received a copy of Monitoring System Certification, Mechanical Line Leak Detector Test Data Chart and Spill Bucket Testing Report Form for activities conducted on 3/17/16. All components passed test.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-01-2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	US Gas Reviewed 2/27/2014 UST submission package on eSubmit Portal, DECLINED. Request for re-submittal this date. The following documents were submitted and reviewed: -BUSINESS ACTIVITIES form -BUSINESS OWNER-OP form -UST FACILITY INFORMATION form reporting two (2) USTs -UST TANK INFORMATION forms -UST MONITORING PLAN -UST RESPONSE PLAN -OWNER-OP AGREEMENT -OWNER STATEMENT - DO form -CERT OF FIN RESP and CFO LETTER. The submittal was declined for the following reasons: 1) UST TANK INFORMATION forms indicate two (2) USTs on site, but four (4) UST Tank Information forms were submitted. 2) No MONITORING SITE PLAN none submitted.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-29-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	CFR declined in portal due to: Please enter the correct coverage dates in the data field. The provided dates of 4/4/15-4/4/16 indicate the coverage has expired.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-01-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Change status to receive a UST permit, per Nofal.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-28-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	CFR accepted in portal. Coverage period is 4/4/15-4/4/16.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-18-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	downloaded HazMat forms from e-Submit to pdf files for later review.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-19-2015
Violations Found:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Eval Type: Other, not routine, done by local agency
Eval Notes: Received and reviewed monitoring system certification, spill bucket and leak detector test reports dated 3/17/2015. Summary of test results: Monitoring system = PASS Leak detectors = PASS Spill buckets = PASS

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-31-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: submission under review
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-31-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: submission under review
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-05-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following documentation has been received and reviewed by this agency: -Monitor System Certification for test date 03/18/2019 -Spill Container Testing Report for test date 03/18/2019 -Overfill Prevention Equipment Inspection for test date 03/18/2019 The following components passed testing: -Annular Sensor x2 -Mechanical Line Leak Detector x2 -Product Pipping Sump Sensor x2 -Fill Sump Sensor x2 -UDC Sensor x4 -Spill Bucket x2 -External Audible/Visual Alarm During 03/19/2019 the following was observed: -Certification of Financial Responsibility (CFR) submitted to CERS indicated the incorrect amount of per occurrence responsibility To date a corrected CFR has not been uploaded to CERS; violation I583 remains outstanding. Upload corrected CFR Form to CERS.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-16-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: - onsite with Asmi Katylo to review inspection and to obtain a signature to acknowledge violations. - no haz waste violations remain from inspection date.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Eval General Type:	Other/Unknown
Eval Date:	04-16-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	- onsite with Asmi Katylo to review inspection and to obtain a signature to acknowledge violations. - two violations remain from inspection date.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-25-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	SB 989 test notification
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-26-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Corrected tank pages submitted to E-submit on 4/9/16 were reviewed and accepted.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-04-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This agency reviewed and accepted the Hazardous materials submittal in CERS . Violation# 1169, issued on 03/15/2018, has been corrected.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-10-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Review site status for outstanding violations for permit.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-19-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed facility's Designated Operator form on E-submit. Form was accepted.
Eval Division:	Orange County Environmental Health
Eval Program:	UST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-24-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed status of electronic submittal of UST forms and found no submittal as of today. Facility is required and has been notified to electronically submit UST Forms by 2/23/2014. Facility can submit forms electronically by going to www.esubmit.ocgov.com and requesting a username and password. User guides and tutorials are located on the home page to help you get started. If you are having trouble, please contact 714-433-6000.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-29-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	looked at status of all UST facilities in 92705 in regard to compliance with electronic submittal of UST docs.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-08-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed and accepted documents submitted to CERS on 2/2/17 and 3/1/17.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-15-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	The following hazardous materials were observed above the reporting threshold: Coolant (Ethylene Glycol) 55-gallon poly drum
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-16-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Eval Date: 03-16-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: A copy of the 5/4/16 secondary containment report was not submitted to this agency. Called facility and requested that a copy be submitted.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-17-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Azmi Katylo (owner/operator), Diko Bederlian (mechanic), and Firas Hammour (cashier) consented to/assisted with this routine, ust inspection. This US GAS brand gas station and convenience store business operates two fuel USTs. I used a UST waste compliance checklist to review required record keeping and to survey UST hardware: - Veeder Root (V-R) fuel leak detection monitoring panel indicated "ALL FUNCTIONS NORMAL"; - V-R panel lites functioned properly; - UST sumps and dispenser UDC containments were observed to be free of fuel liquids; - leak detection sensors and pipeline fittings were positioned for early leak detection; - UST Permit to Operate is posted and is current; - Designated Operator (DO) G ownerG statement is current (SoCal Compliance); - DO monthly visual inspection checklists (with alarm histories and service orders) are current; - UST test report (MCs and spill buckets) histories maintained for review; - with the exception of the 87 fill sump, [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-06-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 2016 HMBEP Annual Certification Approval. The following documents were received and ACCEPTED on E-Submit: Business Activities Business Ownership Information Chemical Inventory for 3 material(s) Facility Site Map Emergency Plan A copy of the report was sent to the facility.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-05-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-09-2020
Violations Found: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine hazardous waste inspection. This facility is owned by K & K Business Inc and currently has 5 employees. Walked throughout the facility and observed the hazardous waste storage area in an outdoor locked cage. This facility currently generates the following hazardous waste: - Used oil (1 x 275-gallon container) - Used oil filters, metal (1 x 55-gallon container) - Waste oil filters, non-metal (1 x 55-gallon container) - Waste coolant (1 x 55-gallon container) Hazardous waste manifests were available for review. The emergency response plan was on site. No hazardous waste or universal waste was observed in the dumpster at the time of the inspection. Hazardous waste containers were closed. Employees are familiar with hazardous waste handling and emergency procedures. A copy of this inspection report will be sent to: Azmi Katylo (Owner)
<akatylo@yahoo.com>
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval General Type: Other/Unknown
Eval Date: 03-13-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: - review 7800 history for fill-in inspection to be conducted for EHD's M. O'Donnell; - review personal site history as previous inspection district.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-16-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to witness monitoring system certification testing activities and to conduct routine UST inspection. Tanks have G wetG annulars. Sensors alarmed properly (visual and audible) and shut down respective turbine at sensor out. Sump sensors alarmed properly (visual and audible) and shut down respective turbine when submerged in water UDC sensors alarmed properly (visual and audible) and shut down both turbines when submerged in water. Fail-safe and sensor out were tested and passed. Line leak detectors were tested and passed. ATGs were tested and passed test with the enunciator functioning properly. Spill buckets were tested visually without any changes in water levels. Valid permit, designated operator documentation, monthly inspection reports with responses to alarms and Daily UST Monitoring System Check Form, monitoring plan, response plan, employee training records, tank pages, certification of financial responsibility (expires 4/4/17),
[Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-18-2019
Violations Found: Yes
Eval Type: Routine done by local agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Eval Notes: On site for routine UST inspection, monitoring system certification, and spill bucket testing. The facility has two double-walled tanks (87, 91) monitored by a Veeder Root TLS-350 system. The site has double-walled pressurized piping with mechanical line leak detectors. Positive shutdown and fail safe programming were verified. External audible and visual alarms are used for overfill prevention. Testing was conducted by Marty Schwartz of Orange County Tank Testing. Tester certifications (VR, ICC, VMI, RedJacket) were verified. Secondary containment testing was last conducted on 05/04/16. It must be tested every 36 months. Overfill prevention testing was last conducted on 03/15/2018. It must be tested every 36 months. Provide a copy of test results to this agency within 30 days.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-21-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received the following documents dated 3/15/18: Monitoring System Certification, Spill Bucket Testing Report Form, UST Monitoring Site Plan. The results indicate the sensors, leak detectors and spill buckets PASSED. A copy of this report will be sent to akatylo@yahoo.com

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-26-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed contents of UST file from Santa Ana Fire Department and first removed all documents associated with remediation of a leaking UST; these will be given to our AgencyG s LOP program for review. The remaining documents were reviewed, sorted, and filed in our AgencyG s UST file.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-28-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: - received a copy of the ust monitoring cert and other annual testing for work performed on 3/17/2014. - all ust components that required testing, passed. - test report includes a notation that the A/V alarm system was repaired on 3/27/2014; violation "TO05" abated. Two ust violations remain uncorrected: - TS02- Leak Response Plan not retained for employee use; plan not located on 3/17/2014. - TT00- facility employees not trained by Designated Operator annually. Contact Mike O'Donnell, of this agency, for compliance assistance.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Eval General Type:	Other/Unknown
Eval Date:	03-29-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed and accepted CERS submission
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-15-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The following documentation submitted to the California Environmental Reporting System (CERS) on 04/13/2019 has been accepted: -Certification of Financial Responsibility (CFR), Insurance, Expires 04/04/2020 Violation I583 has been corrected.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-25-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	e-submit review: updated EPA ID # in EC
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-25-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	UST e-submit review: e-submit shows 4 USTs - only 2 exist. Discussed w/ Lisa - e-submit error - shows as having PA Tanks - duplicated records? She will investigate.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	05-20-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Review violation status for warning letter. Violations remain outstanding.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	05-29-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Portal review, ACCEPTED.
Eval Division:	Orange County Environmental Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-12-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and accepted revised documents submitted to CERS on 7/28/17
with the following comment: G DailyG listed for G Visual Pipeline More
FrequencyG under Pipe Monitoring is Performed Using the Following
Method(s) section should be deleted or logs for visual inspection must
be maintained on site and be available for review.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Coordinates:
Site ID: 413841
Facility Name: US GAS
Env Int Type Code: HMBP
Program ID: 10523395
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.748540
Longitude: -117.833750

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Azmi (Ozzy) Katylo
Entity Title: Not reported
Affiliation Address: 401 N Tustin Ave
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 401 N TUSTIN AVE
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Azmi (Ozzy) Katylo
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (714) 547-3966

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Affiliation Type Desc: UST Permit Applicant
Entity Name: LANCE YORK
Entity Title: DESIGNATED OPERATOR
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (949) 230-8931

Affiliation Type Desc: UST Property Owner Name
Entity Name: Charles Powers
Entity Title: Not reported
Affiliation Address: 1587 Calle de Cineo
Affiliation City: La Jolla
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92087
Affiliation Phone: (858) 489-1142

Affiliation Type Desc: UST Tank Operator
Entity Name: K & K Business, Inc.
Entity Title: Not reported
Affiliation Address: 401 N. Tustin Ave
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92705
Affiliation Phone: (714) 547-3966

Affiliation Type Desc: Document Preparer
Entity Name: LANCE YORK
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Lance York
Entity Title: Environmental Consultant
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: K & K BUSINESS INC
Entity Title: Not reported
Affiliation Address: 401 N TUSTIN AVE
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: United States

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Affiliation Zip: 92707
Affiliation Phone: (714) 547-3966

Affiliation Type Desc: Parent Corporation
Entity Name: US GAS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: POWERS FAMILY TRUST
Entity Title: Not reported
Affiliation Address: 1537 CALLE DE CINCO
Affiliation City: LA JOLLA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92037
Affiliation Phone: (858) 459-1142

Affiliation Type Desc: UST Tank Owner
Entity Name: K & K Business, Inc.
Entity Title: Not reported
Affiliation Address: 401 N. Tustin Ave
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92705
Affiliation Phone: (714) 547-3966

Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer RoadSuite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6406

HWTS:

Name: K & K BUSINESS INC DBA US GAS
Address: 401 N TUSTIN AVE
Address 2: Not reported
City,State,Zip: SANTA ANA, CA 927053808
EPA ID: CAL000213623
Inactive Date: Not reported
Create Date: 01/12/2000
Last Act Date: 07/27/2020
Mailing Name: Not reported
Mailing Address: 401 N TUSTIN AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: SANTA ANA, CA 927053808

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US GAS (Continued)

S101619798

Owner Name: K & K BUSINESS INC/AZMI KATYLO
Owner Address: 401 N TUSTIN AVE
Owner Address 2: Not reported
Owner City,State,Zip: SANTA ANA, CA 927053808
Contact Name: AZMI KATYLO
Contact Address: 401 N TUSTIN AVE
Contact Address 2: Not reported
City,State,Zip: SANTA ANA, CA 92705

NAICS:

EPA ID: CAL000213623
Create Date: 2006-07-17 09:51:26.530
NAICS Code: 811111
NAICS Description: General Automotive Repair
Issued EPA ID Date: 2000-01-12 00:00:00
Inactive Date: Not reported
Facility Name: K & K BUSINESS INC DBA US GAS
Facility Address: 401 N TUSTIN AVE
Facility Address 2: Not reported
Facility City: SANTA ANA
Facility County: Not reported
Facility State: CA
Facility Zip: 927053808

J65
NE
1/4-1/2
0.272 mi.
1434 ft.

SHELL OIL PRODUCTS US
401 N. TUSTIN AVENUE
SANTA ANA, CA
Site 3 of 3 in cluster J

LUST **S105850446**
Cortese **N/A**

Relative:
Higher
Actual:
148 ft.

LUST REG 8:
Name: SHELL OIL PRODUCTS US
Address: 401 N. TUSTIN AVENUE
City: SANTA ANA
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Post remedial action monitoring
Case Number: 08303690T
Local Case Num: Not reported
Case Type: Aquifer affected
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: 4TH ST.
Enf Type: None Taken
Funding: Not reported
How Discovered: SAS
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global ID: T0605934780
How Stopped Date: Not reported
Enter Date: Not reported
Date Confirmation of Leak Began: Not reported
Date Preliminary Assessment Began: Not reported
Discover Date: 2/2/2003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL OIL PRODUCTS US (Continued)

S105850446

Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	2/2/2003
Enter Date:	Not reported
GW Qualifies:	=
Soil Qualifies:	ND
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.74837249
Longitude:	-117.8340671
MTBE Date:	12/14/2004
Max MTBE GW:	410
MTBE Concentration:	1
Max MTBE Soil:	5
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	C
Staff:	CAB
Staff Initials:	JB
Lead Agency:	Regional Board
Local Agency:	Santa Ana, Orange County
Hydr Basin #:	Not reported
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

CORTESE:

Name:	SHELL OIL PRODUCTS US
Address:	401 N. TUSTIN AVENUE
City,State,Zip:	SANTA ANA, CA
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0605934780
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL OIL PRODUCTS US (Continued)

S105850446

Waste Management Unit Name: Not reported
File Name: Active Open

K66
West
1/4-1/2
0.324 mi.
1710 ft.

COMPAK FOODS

ENVIROSTOR

S107736155
N/A

SANTA ANA, CA

Site 1 of 2 in cluster K

Relative:
Lower

ENVIROSTOR:

Actual:
132 ft.

Name: COMPAK FOODS
Address: Not reported
City,State,Zip: SANTA ANA, CA
Facility ID: 80000999
Status: Inactive - Needs Evaluation
Status Date: 08/14/2018
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: 5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Patrick Hsieh
Division Branch: Cleanup Cypress
Assembly: 69
Senate: 34
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.74583
Longitude: -117.8430
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799FA38600
Alias Type: Federal Facility ID
Alias Name: J09CA7358
Alias Type: INPR
Alias Name: 80000999
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 05/26/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 09/26/2017
Comments: Draft Site Visit Report on R drive for management review, comments

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COMPAK FOODS (Continued)

S107736155

and or concurrence.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

K67
West
1/4-1/2
0.327 mi.
1727 ft.

COMPAK FOODS

FUDS 1024904026
N/A

SANTA ANA, CA

Site 2 of 2 in cluster K

Relative:
Lower

FUDS:

Actual:
132 ft.

EPA Region: 09
Installation ID: CA99799FA38600
Congressional District Number: 46
Facility Name: COMPAK FOODS
FUDS Number: J09CA7358
City: SANTA ANA
State: CA
County: ORANGE
Object ID: 1716
USACE District: Los Angeles District (SPL)
Status: Properties without projects
Current Owner: Not reported
EMS Map Link: <https://fudportal.usace.army.mil/ems/ems/inventory/map/map?id=63094>
Eligibility: Ineligible
Has Projects: No
NPL Status: Not Listed
Latitude: 33.745833330000004
Longitude: -117.843055559999

L68
North
1/4-1/2
0.331 mi.
1746 ft.

AMERICAN RED CROSS
601 N GOLDEN CIRCLE DR
SANTA ANA, CA 92705

LUST S103949911
Cortese N/A
CERS

Site 1 of 2 in cluster L

Relative:
Higher

LUST:

Actual:
167 ft.

Name: AMERICAN RED CROSS
Address: 601 N GOLDEN CIRCLE DR
City, State, Zip: SANTA ANA, CA 92705
Lead Agency: SANTA ANA, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605900666
Global Id: T0605900666
Latitude: 33.750151
Longitude: -117.837102
Status: Completed - Case Closed
Status Date: 04/01/1999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN RED CROSS (Continued)

S103949911

Case Worker: CC
RB Case Number: 083000845T
Local Agency: SANTA ANA, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0605900666
Contact Type: Local Agency Caseworker
Contact Name: CHRISTOPHER CIRAULO
Organization Name: SANTA ANA, CITY OF
Address: 1439 S. BROADWAY
City: SANTA ANA
Email: cciraulo@santa-ana.org
Phone Number: Not reported

Global Id: T0605900666
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: valerie.jahn-bull@waterboards.ca.gov
Phone Number: 9517824903

LUST:

Global Id: T0605900666
Action Type: Other
Date: 01/22/1987
Action: Leak Reported

Global Id: T0605900666
Action Type: ENFORCEMENT
Date: 04/01/1999
Action: Closure/No Further Action Letter

Global Id: T0605900666
Action Type: Other
Date: 10/16/1986
Action: Leak Discovery

LUST:

Global Id: T0605900666
Status: Open - Case Begin Date
Status Date: 10/16/1986

Global Id: T0605900666
Status: Open - Site Assessment
Status Date: 05/10/1988

Global Id: T0605900666
Status: Completed - Case Closed
Status Date: 04/01/1999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN RED CROSS (Continued)

S103949911

CORTESE:

Name: AMERICAN RED CROSS
Address: 601 N GOLDEN CIRCLE DR
City,State,Zip: SANTA ANA, CA 92705
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0605900666
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:

Name: AMERICAN RED CROSS
Address: 601 N GOLDEN CIRCLE DR
City,State,Zip: SANTA ANA, CA 92705
Site ID: 199112
CERS ID: T0605900666
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CHRISTOPHER CIRAULO - SANTA ANA, CITY OF
Entity Title: Not reported
Affiliation Address: 1439 S. BROADWAY
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: VALERIE JAHN-BULL - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9517824903

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L69
North
1/4-1/2
0.331 mi.
1746 ft.

AMERICAN RED CROSS
601 GOLDEN CIRCLE DR
SANTA ANA, CA 92705

Site 2 of 2 in cluster L

LUST
SWEEPS UST
CA FID UST

S101588998
N/A

Relative:
Higher

Actual:
167 ft.

LUST REG 8:

Name:	AMERICAN RED CROSS
Address:	601 GOLDEN CIRCLE DR
City:	SANTA ANA
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083000845T
Local Case Num:	Not reported
Case Type:	Soil only
Substance:	Unleaded Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	4TH
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Tank Test
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0605900666
How Stopped Date:	Not reported
Enter Date:	5/10/1988
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	10/16/1986
Enforcement Date:	Not reported
Close Date:	4/1/1999
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	5/10/1988
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	5/10/1988
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.7499166
Longitude:	-117.8379155
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	JB
Lead Agency:	Local Agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN RED CROSS (Continued)

S101588998

Local Agency:	Santa Ana, Orange County
Hydr Basin #:	COASTAL PLAIN OF ORA
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

SWEEPS UST:

Name:	AMERICAN RED CROSS-ORANGE CNTY
Address:	601 N GOLDEN CIRCLE DR
City:	SANTA ANA
Status:	Active
Comp Number:	327
Number:	1
Board Of Equalization:	44-032943
Referral Date:	11-30-92
Action Date:	11-30-92
Created Date:	02-25-92
Owner Tank Id:	Not reported
SWRCB Tank Id:	30-020-000327-000001
Tank Status:	A
Capacity:	7500
Active Date:	05-29-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	1

CA FID UST:

Facility ID:	30000786
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7148355381
Mail To:	Not reported
Mailing Address:	601 N GOLDEN CIRCLE DR
Mailing Address 2:	Not reported
Mailing City,St,Zip:	SANTA ANA 92705
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

M70
ENE
1/4-1/2
0.375 mi.
1982 ft.

Relative:
Higher

Actual:
146 ft.

ENERGY & ENVIRONMENTAL RESEARCH CORP
8001 IRVINE BLVD
SANTA ANA, CA 92705

Site 1 of 2 in cluster M

RCRA-SQG
LUST
HIST UST
FINDS
ECHO
Cortese
EMI
CERS

1000357988
CAD981388697

RCRA-SQG:
Date Form Received by Agency: 1986-02-14 00:00:00.0
Handler Name: ENERGY & ENVIRONMENTAL RESEARCH CORP
Handler Address: 8001 IRVINE BLVD
Handler City,State,Zip: SANTA ANA, CA 92705
EPA ID: CAD981388697
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: 8001 IRVINE BLVD
Contact City,State,Zip: SANTA ANA, CA 92705
Contact Telephone: 714-552-1803
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Other
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: CA
State District: 4
Mailing Address: 8001 IRVINE BLVD
Mailing City,State,Zip: SANTA ANA, CA 92705
Owner Name: ENERGY & ENVIRONMENTAL RESEARCH CORP
Owner Type: Private
Operator Name: NOT REQUIRED
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: NN
Sub-Part K Indicator: Not reported
Commercial TSD Indicator: No
Treatment Storage and Disposal Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENERGY & ENVIRONMENTAL RESEARCH CORP (Continued)

1000357988

2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:24:29.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ENERGY & ENVIRONMENTAL RESEARCH CORP
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENERGY & ENVIRONMENTAL RESEARCH CORP (Continued)

1000357988

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1986-02-14 00:00:00.0
Handler Name: ENERGY & ENVIRONMENTAL RESEARCH CORP
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 54138
NAICS Description: TESTING LABORATORIES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

ORANGE CO. LUST:

Name: ENERGY & ENVIRO RESEARCH
Address: 8001 IRVINE BLVD
City,State,Zip: SANTA ANA, CA 92705
Region: ORANGE
Facility Id: 90UT260
Released Substance: Diesel fuel oil and additives, Nos.1-D, 2-D, 2-4
Date Closed: 11/03/1993
Record ID: RO0000816

LUST REG 8:

Name: ENERGY & ENVIRO RESEARCH
Address: 8001 IRVINE
City: SANTA ANA
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083001709T
Local Case Num: 90UT260
Case Type: Soil only
Substance: Diesel
Qty Leaked: 0
Abate Method: Not reported
Cross Street: Not reported
Enf Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENERGY & ENVIRONMENTAL RESEARCH CORP (Continued)

1000357988

Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901295
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	11/27/1990
Enforcement Date:	Not reported
Close Date:	11/3/1993
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.7608055
Longitude:	-117.8204212
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	NOM
Staff Initials:	AR
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

LUST:

Name:	ENERGY & ENVIRO RESEARCH
Address:	8001 IRVINE
City,State,Zip:	SANTA ANA, CA 92705
Lead Agency:	ORANGE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901295
Global Id:	T0605901295
Latitude:	33.7481492
Longitude:	-117.8312479
Status:	Completed - Case Closed
Status Date:	11/03/1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENERGY & ENVIRONMENTAL RESEARCH CORP (Continued)

1000357988

Case Worker: KL
RB Case Number: 083001709T
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 90UT260
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:

Global Id: T0605901295
Contact Type: Local Agency Caseworker
Contact Name: KEVIN LAMBERT
Organization Name: ORANGE COUNTY LOP
Address: 1241 E DYER ROAD SUITE 120
City: SANTA ANA
Email: klambert@ochca.com
Phone Number: 7144336261

LUST:

Global Id: T0605901295
Action Type: Other
Date: 11/27/1990
Action: Leak Reported

Global Id: T0605901295
Action Type: ENFORCEMENT
Date: 11/03/1993
Action: Closure/No Further Action Letter

Global Id: T0605901295
Action Type: Other
Date: 11/27/1990
Action: Leak Discovery

Global Id: T0605901295
Action Type: REMEDIATION
Date: 10/25/1991
Action: Excavation

Global Id: T0605901295
Action Type: REMEDIATION
Date: 10/25/1991
Action: Ex Situ Physical/Chemical Treatment (other than P&T, SVE, or Excavation)

LUST:

Global Id: T0605901295
Status: Open - Case Begin Date
Status Date: 11/27/1990

Global Id: T0605901295
Status: Completed - Case Closed
Status Date: 11/03/1993

HIST UST:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENERGY & ENVIRONMENTAL RESEARCH CORP (Continued)

1000357988

Name: ENERGY AND ENVIRONMENTAL RESEA
Address: 8001 IRVINE BLDG
City,State,Zip: SANTA ANA, CA 92705
File Number: 0002E8A3
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002E8A3.pdf>
Region: STATE
Facility ID: 00000065628
Facility Type: Other
Other Type: COMBUSTION RESEARCH
Contact Name: C. MCCOMIS
Telephone: 7148598851
Owner Name: ENERGY AND ENVIRONMENTAL RESEA
Owner Address: 18 MASON
Owner City,St,Zip: IRVINE, CA 927182798
Total Tanks: 0003

Tank Num: 001
Container Num: #6
Year Installed: 1976
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 002
Container Num: #2A
Year Installed: 1970
Tank Capacity: 00001200
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 003
Container Num: #2
Year Installed: 1976
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

[Click here for Geo Tracker PDF:](#)

FINDS:

Registry ID: 110002690552

[Click Here:](#)

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENERGY & ENVIRONMENTAL RESEARCH CORP (Continued)

1000357988

STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000357988
Registry ID: 110002690552
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002690552>
Name: ENERGY & ENVIRONMENTAL RESEARCH CORP
Address: 8001 IRVINE BLVD
City,State,Zip: SANTA ANA, CA 92705

CORTESE:

Name: ENERGY & ENVIRO RESEARCH
Address: 8001 IRVINE
City,State,Zip: SANTA ANA, CA 92705
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0605901295
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

EMI:

Name: ENERGY & ENVIRONMENTAL RESEARC
Address: 8001 IRVINE BL
City,State,Zip: SANTA ANA, CA 92705
Year: 1987
County Code: 30
Air Basin: SC
Facility ID: 14928
Air District Name: SC
SIC Code: 3764
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ENERGY & ENVIRONMENTAL RESEARCH CORP (Continued)

1000357988

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: ENERGY & ENVIRONMENTAL RESEARC
Address: 8001 IRVINE BL
City,State,Zip: SANTA ANA, CA 92705
Year: 1990
County Code: 30
Air Basin: SC
Facility ID: 14928
Air District Name: SC
SIC Code: 8700
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 1
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

CERS:

Name: ENERGY & ENVIRO RESEARCH
Address: 8001 IRVINE
City,State,Zip: SANTA ANA, CA 92705
Site ID: 260313
CERS ID: T0605901295
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: KEVIN LAMBERT - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 E DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336261

**M71
NE
1/4-1/2
0.387 mi.
2044 ft.**

**MOBIL #18-LW8
17241 IRVINE
TUSTIN, CA 92680
Site 2 of 2 in cluster M**

**LUST
Cortese
HIST CORTESE
CERS
S103943639
N/A**

**Relative:
Higher
Actual:
147 ft.**

ORANGE CO. LUST:
Name: MOBIL #18-LW8
Address: 17241 IRVINE BLVD
City,State,Zip: TUSTIN, CA 92680
Region: ORANGE
Facility Id: 94UT042
Released Substance: Gasoline-Automotive (motor gasoline and additives), leaded & unleaded
Date Closed: 04/01/1996
Record ID: RO0001993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #18-LW8 (Continued)

S103943639

LUST REG 8:

Name:	MOBIL #18-LW8
Address:	17241 IRVINE
City:	TUSTIN
Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083002544T
Local Case Num:	94UT042
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	Unknown
Leak Source:	Unknown
Global ID:	T0605901789
How Stopped Date:	9/9/9999
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	8/3/1994
Enforcement Date:	Not reported
Close Date:	4/1/1996
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.7481917
Longitude:	-117.8318124
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	RS
Staff Initials:	AM
Lead Agency:	Local Agency
Local Agency:	30000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #18-LW8 (Continued)

S103943639

Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

LUST:

Name: MOBIL #18-LW8
Address: 17241 IRVINE
City,State,Zip: TUSTIN, CA 92680
Lead Agency: ORANGE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901789
Global Id: T0605901789
Latitude: 33.748532
Longitude: -117.831163
Status: Completed - Case Closed
Status Date: 04/01/1996
Case Worker: SR
RB Case Number: 083002544T
Local Agency: ORANGE COUNTY LOP
File Location: Local Agency
Local Case Number: 94UT042
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0605901789
Contact Type: Regional Board Caseworker
Contact Name: ROSE SCOTT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: rose.scott@waterboards.ca.gov
Phone Number: 9513206375

Global Id: T0605901789
Contact Type: Local Agency Caseworker
Contact Name: SHYAMALA RAJAGOPAL
Organization Name: ORANGE COUNTY LOP
Address: 1241 E. DYER ROAD SUITE 120
City: SANTA ANA
Email: srajagopal@ochca.com
Phone Number: 7144336262

LUST:

Global Id: T0605901789
Action Type: Other
Date: 08/03/1994
Action: Leak Reported

Global Id: T0605901789
Action Type: ENFORCEMENT
Date: 04/01/1996
Action: Closure/No Further Action Letter

Global Id: T0605901789
Action Type: Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #18-LW8 (Continued)

S103943639

Date: 08/03/1994
Action: Leak Discovery

Global Id: T0605901789
Action Type: REMEDIATION
Date: 01/10/1995
Action: Excavation

LUST:

Global Id: T0605901789
Status: Open - Case Begin Date
Status Date: 08/03/1994

Global Id: T0605901789
Status: Completed - Case Closed
Status Date: 04/01/1996

CORTESE:

Name: MOBIL #18-LW8
Address: 17241 IRVINE
City,State,Zip: TUSTIN, CA 92680
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0605901789
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:

edr_fname: MOBIL #18-LW8
edr_fadd1: 17241 IRVINE
City,State,Zip: TUSTIN, CA 91505
Region: CORTESE
Facility County Code: 30
Reg By: LTNKA
Reg Id: 083002544T

CERS:

Name: MOBIL #18-LW8

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #18-LW8 (Continued)

S103943639

Address: 17241 IRVINE
City,State,Zip: TUSTIN, CA 92680
Site ID: 233929
CERS ID: T0605901789
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: ROSE SCOTT - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9513206375

Affiliation Type Desc: Local Agency Caseworker
Entity Name: SHYAMALA RAJAGOPAL - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 E. DYER ROAD SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336262

72
WNW
1/4-1/2
0.422 mi.
2227 ft.

SANTA ANA FIRE STATION NO. 2
1688 EAST 4TH STREET
SANTA ANA, CA

LUST
Cortese
CERS

S105850458
N/A

Relative:
Higher
Actual:
135 ft.

LUST REG 8:

Name: SANTA ANA FIRE STATION NO. 2
Address: 1688 EAST 4TH STREET
City: SANTA ANA
Region: 8
County: Orange
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083003968T
Local Case Num: Not reported
Case Type: Not reported
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: Not reported
Enf Type: CLOS
Funding: Not reported
How Discovered: UM
How Stopped: Other Means
Leak Cause: Other Cause
Leak Source: Other Source
Global ID: T0605981039
How Stopped Date: Not reported
Enter Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA FIRE STATION NO. 2 (Continued)

S105850458

Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	11/14/2002
Discover Date:	4/20/1999
Enforcement Date:	Not reported
Close Date:	11/26/2002
Date Prelim Assessment Workplan Submitted:	1/24/2002
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	0
Longitude:	0
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	1
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	NOM
Staff Initials:	JB
Lead Agency:	Regional Board
Local Agency:	Santa Ana, Orange County
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	SINCE NO CONTAMINATION (IN PARTICULAR, MTBE) WAS DETECTED, THE SITE WAS CLOSED ON 11/26/02.

LUST:

Name:	SANTA ANA FIRE STATION NO. 2
Address:	1688 EAST 4TH STREET
City,State,Zip:	SANTA ANA, CA
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605981039
Global Id:	T0605981039
Latitude:	33.748063
Longitude:	-117.844016
Status:	Completed - Case Closed
Status Date:	11/26/2002
Case Worker:	Not reported
RB Case Number:	083003968T
Local Agency:	SANTA ANA, CITY OF
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA FIRE STATION NO. 2 (Continued)

S105850458

Site History: Not reported

LUST:

Global Id: T0605981039
Contact Type: Local Agency Caseworker
Contact Name: CHRISTOPHER CIRAULO
Organization Name: SANTA ANA, CITY OF
Address: 1439 S. BROADWAY
City: SANTA ANA
Email: cciraulo@santa-ana.org
Phone Number: Not reported

LUST:

Global Id: T0605981039
Action Type: Other
Date: 04/20/1999
Action: Leak Reported

Global Id: T0605981039
Action Type: ENFORCEMENT
Date: 09/20/1999
Action: * Historical Enforcement

Global Id: T0605981039
Action Type: ENFORCEMENT
Date: 09/28/1999
Action: Staff Letter

Global Id: T0605981039
Action Type: ENFORCEMENT
Date: 01/17/2002
Action: Warning Letter

Global Id: T0605981039
Action Type: ENFORCEMENT
Date: 02/02/2002
Action: Staff Letter

Global Id: T0605981039
Action Type: RESPONSE
Date: 03/07/2002
Action: Preliminary Site Assessment Workplan

Global Id: T0605981039
Action Type: RESPONSE
Date: 11/14/2002
Action: Preliminary Site Assessment Report

Global Id: T0605981039
Action Type: Other
Date: 04/20/1999
Action: Leak Discovery

Global Id: T0605981039
Action Type: RESPONSE
Date: 09/20/1999
Action: Tank Removal Report / UST Sampling Report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA FIRE STATION NO. 2 (Continued)

S105850458

Global Id: T0605981039
Action Type: REMEDIATION
Date: 11/26/2002
Action: Not reported

Global Id: T0605981039
Action Type: ENFORCEMENT
Date: 04/20/1999
Action: * Historical Enforcement

Global Id: T0605981039
Action Type: ENFORCEMENT
Date: 11/26/2002
Action: Closure/No Further Action Letter

LUST:

Global Id: T0605981039
Status: Open - Case Begin Date
Status Date: 04/20/1999

Global Id: T0605981039
Status: Open - Site Assessment
Status Date: 01/24/2002

Global Id: T0605981039
Status: Open - Site Assessment
Status Date: 11/14/2002

Global Id: T0605981039
Status: Completed - Case Closed
Status Date: 11/26/2002

CORTESE:

Name: SANTA ANA FIRE STATION NO. 2
Address: 1688 EAST 4TH STREET
City,State,Zip: SANTA ANA, CA
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0605981039
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA ANA FIRE STATION NO. 2 (Continued)

S105850458

Waste Management Unit Name: Not reported
File Name: Active Open

CERS:

Name: SANTA ANA FIRE STATION NO. 2
Address: 1688 EAST 4TH STREET
City,State,Zip: SANTA ANA, CA
Site ID: 209549
CERS ID: T0605981039
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: CHRISTOPHER CIRAULO - SANTA ANA, CITY OF
Entity Title: Not reported
Affiliation Address: 1439 S. BROADWAY
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

N73
WSW
1/2-1
0.523 mi.
2760 ft.
Relative:
Lower
Actual:
126 ft.

EECO
1441 EAST CHESTNUT AVE
SANTA ANA, CA 92701
Site 1 of 3 in cluster N

SEMS-ARCHIVE
CORRACTS
RCRA-TSDF
RCRA-SQG
LUST
CERS HAZ WASTE
SWEEPS UST
HIST UST
CA FID UST
2020 COR ACTION
FINDS
ECHO
EMI
HWP
CERS

1000323973
CAD008256349

SEMS Archive:

Site ID: 0900343
EPA ID: CAD008256349
Name: EECO
Address: 1441 EAST CHESTNUT AVE
Address 2: Not reported
City,State,Zip: SANTA ANA, CA 92701
Cong District: 38
FIPS Code: 06059
FF: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA (Subtitle C)

SEMS Archive Detail:

Region: 09
Site ID: 0900343
EPA ID: CAD008256349
Site Name: EECO
NPL: N

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1996-01-23 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0900343
EPA ID: CAD008256349
Site Name: EECO
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1990-08-24 04:00:00
Finish Date: 1990-08-24 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900343
EPA ID: CAD008256349
Site Name: EECO
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1991-02-08 05:00:00
Qual: D
Current Action Lead: EPA Perf

CORRACTS:

Name: EECO
Address: 1441 EAST CHESTNUT AVENUE
Address 2: Not reported
Area Name: ENTIRE FACILITY
Corrective Action: CA050
Actual Date: 2000-01-27 00:00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EECO
Address: 1441 EAST CHESTNUT AVENUE
Address 2: Not reported
Area Name: ENTIRE FACILITY

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Corrective Action: CA070YE
Actual Date: 2000-01-27 00:00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EECO
Address: 1441 EAST CHESTNUT AVENUE
Address 2: Not reported
Area Name: ENTIRE FACILITY
Corrective Action: CA150
Actual Date: 2006-05-17 00:00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EECO
Address: 1441 EAST CHESTNUT AVENUE
Address 2: Not reported
Area Name: ENTIRE FACILITY
Corrective Action: CA550RC
Actual Date: 2010-07-09 00:00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EECO
Address: 1441 EAST CHESTNUT AVENUE
Address 2: Not reported
Area Name: ENTIRE FACILITY
Corrective Action: CA725YE
Actual Date: 2010-07-08 00:00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EECO
Address: 1441 EAST CHESTNUT AVENUE
Address 2: Not reported
Area Name: ENTIRE FACILITY
Corrective Action: CA750YE
Actual Date: 2010-07-09 00:00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

RCRA-SQG:

Date Form Received by Agency: 1996-09-01 00:00:00.0
Handler Name: EECO
Handler Address: 1441 EAST CHESTNUT AVENUE
Handler City,State,Zip: SANTA ANA, CA 92701
EPA ID: CAD008256349

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Corrective Action Activities
State District Owner:	CA
State District:	4
Mailing Address:	1601 EAST CHESTNUT AVENUE
Mailing City,State,Zip:	SANTA ANA, CA 92701
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	EECO INCORPORATED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Storage, Treatment
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Storage, Treatment
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes

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MAP FINDINGS

Site

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EECO (Continued)

1000323973

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-10-29 16:01:57.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	EECO INCORPORATED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1601 EAST CHESTNUT AVENUE
Owner/Operator City,State,Zip:	CITY NOT REPORTED, CA 99999
Owner/Operator Telephone:	714-835-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EECO INCORPORATED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1601 EAST CHESTNUT AVENUE
Owner/Operator City,State,Zip:	SANTA ANA, CA 92701
Owner/Operator Telephone:	714-835-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1996-09-01 00:00:00.0
Handler Name:	EECO
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

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EECO (Continued)

1000323973

Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	1980-08-14 00:00:00.0
Handler Name:	EECO
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	334419
NAICS Description:	OTHER ELECTRONIC COMPONENT MANUFACTURING

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1989-02-14 00:00:00.0
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-01 00:00:00.0
Enforcement Identifier:	006
Date of Enforcement Action:	1989-03-31 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1987-11-10 00:00:00.0
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-01-22 00:00:00.0
Enforcement Identifier:	002
Date of Enforcement Action:	1987-12-29 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1987-11-10 00:00:00.0
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-01-22 00:00:00.0
Enforcement Identifier:	001
Date of Enforcement Action:	1987-11-10 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No

Map ID
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Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	1989-02-08 00:00:00.0
Actual Return to Compliance Date:	1989-06-19 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	1989-03-08 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported

Map ID
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Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1992-09-03 00:00:00.0
Actual Return to Compliance Date:	1992-10-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1992-10-02 00:00:00.0
Enforcement Identifier:	008
Date of Enforcement Action:	1992-09-03 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	1800
Final Monetary Amount:	1200
Paid Amount:	Not reported
Final Count:	1
Final Amount:	1200
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1989-02-14 00:00:00.0
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-01 00:00:00.0
Enforcement Identifier:	006
Date of Enforcement Action:	1989-03-31 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	1987-11-10 00:00:00.0
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-06-26 00:00:00.0
Enforcement Identifier:	004
Date of Enforcement Action:	1988-05-26 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported

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EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1989-02-14 00:00:00.0
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-01 00:00:00.0
Enforcement Identifier:	005
Date of Enforcement Action:	1989-03-08 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1989-02-14 00:00:00.0
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-01 00:00:00.0
Enforcement Identifier:	006
Date of Enforcement Action:	1989-03-31 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No

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EDR ID Number
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EECO (Continued)

1000323973

Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1992-09-03 00:00:00.0
Actual Return to Compliance Date:	1992-10-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1992-10-12 00:00:00.0
Enforcement Identifier:	008
Date of Enforcement Action:	1992-09-03 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	1800

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Final Monetary Amount:	1200
Paid Amount:	Not reported
Final Count:	1
Final Amount:	1200
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1987-11-10 00:00:00.0
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	1987-11-10 00:00:00.0
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-01-22 00:00:00.0
Enforcement Identifier:	001
Date of Enforcement Action:	1987-11-10 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	1987-11-10 00:00:00.0
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-01-22 00:00:00.0
Enforcement Identifier:	002
Date of Enforcement Action:	1987-12-29 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1989-02-14 00:00:00.0
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-01 00:00:00.0
Enforcement Identifier:	005
Date of Enforcement Action:	1989-03-08 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1992-09-02 00:00:00.0
Actual Return to Compliance Date:	1992-10-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1992-10-02 00:00:00.0
Enforcement Identifier:	007
Date of Enforcement Action:	1992-09-02 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	1800

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Final Monetary Amount:	1200
Paid Amount:	Not reported
Final Count:	1
Final Amount:	1200
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1987-11-10 00:00:00.0
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	1987-11-10 00:00:00.0
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-06-26 00:00:00.0
Enforcement Identifier:	003
Date of Enforcement Action:	1988-03-23 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1989-02-14 00:00:00.0
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-01 00:00:00.0
Enforcement Identifier:	005
Date of Enforcement Action:	1989-03-08 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 1989-02-14 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1989-05-16 00:00:00.0
Scheduled Compliance Date: 1989-05-01 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1987-11-10 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1988-08-09 00:00:00.0
Scheduled Compliance Date: 1988-01-22 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1987-11-10 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1988-08-09 00:00:00.0
Scheduled Compliance Date: 1988-01-22 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1989-02-08 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1989-06-19 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Evaluation Date: 1992-07-23 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1992-10-09 00:00:00.0
Scheduled Compliance Date: 1992-10-02 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1989-02-14 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1989-05-16 00:00:00.0
Scheduled Compliance Date: 1989-05-01 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1987-11-10 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1988-08-09 00:00:00.0
Scheduled Compliance Date: 1988-06-26 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1989-02-14 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1989-05-16 00:00:00.0
Scheduled Compliance Date: 1989-05-01 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1989-02-14 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Scheduled Compliance Date:	1989-05-01 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1992-07-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1992-10-09 00:00:00.0
Scheduled Compliance Date:	1992-10-12 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1987-11-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1992-09-17 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1987-11-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Scheduled Compliance Date:	1988-01-22 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1987-11-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Scheduled Compliance Date:	1988-01-22 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1989-02-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Scheduled Compliance Date:	1989-05-01 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1992-07-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1992-10-09 00:00:00.0
Scheduled Compliance Date:	1992-10-02 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1987-11-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1987-11-10 00:00:00.0
Evaluation Responsible Agency:	State

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Scheduled Compliance Date:	1988-06-26 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1989-02-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Scheduled Compliance Date:	1989-05-01 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

RCRA-SQG:

Date Form Received by Agency:	1996-09-01 00:00:00.0
Handler Name:	EECO
Handler Address:	1441 EAST CHESTNUT AVENUE
Handler City,State,Zip:	SANTA ANA, CA 92701
EPA ID:	CAD008256349
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Corrective Action Activities
State District Owner:	CA
State District:	4
Mailing Address:	1601 EAST CHESTNUT AVENUE
Mailing City,State,Zip:	SANTA ANA, CA 92701
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	EECO INCORPORATED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Storage, Treatment
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Storage, Treatment
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported

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202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-10-29 16:01:57.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	EECO INCORPORATED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1601 EAST CHESTNUT AVENUE
Owner/Operator City,State,Zip:	CITY NOT REPORTED, CA 99999
Owner/Operator Telephone:	714-835-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EECO INCORPORATED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1601 EAST CHESTNUT AVENUE
Owner/Operator City,State,Zip:	SANTA ANA, CA 92701
Owner/Operator Telephone:	714-835-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1996-09-01 00:00:00.0
Handler Name:	EECO

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Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1980-08-14 00:00:00.0
Handler Name:	EECO
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	334419
NAICS Description:	OTHER ELECTRONIC COMPONENT MANUFACTURING

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1989-02-14 00:00:00.0
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-01 00:00:00.0
Enforcement Identifier:	006
Date of Enforcement Action:	1989-03-31 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported

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SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1987-11-10 00:00:00.0
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-01-22 00:00:00.0
Enforcement Identifier:	002
Date of Enforcement Action:	1987-12-29 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1987-11-10 00:00:00.0
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-01-22 00:00:00.0

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Enforcement Identifier:	001
Date of Enforcement Action:	1987-11-10 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	1989-02-08 00:00:00.0
Actual Return to Compliance Date:	1989-06-19 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	1989-03-08 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported

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SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1992-09-03 00:00:00.0
Actual Return to Compliance Date:	1992-10-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1992-10-02 00:00:00.0
Enforcement Identifier:	008
Date of Enforcement Action:	1992-09-03 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	1800
Final Monetary Amount:	1200
Paid Amount:	Not reported
Final Count:	1
Final Amount:	1200
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1989-02-14 00:00:00.0
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-01 00:00:00.0

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Enforcement Identifier:	006
Date of Enforcement Action:	1989-03-31 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	1987-11-10 00:00:00.0
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-06-26 00:00:00.0
Enforcement Identifier:	004
Date of Enforcement Action:	1988-05-26 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported

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SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1989-02-14 00:00:00.0
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-01 00:00:00.0
Enforcement Identifier:	005
Date of Enforcement Action:	1989-03-08 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1989-02-14 00:00:00.0
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-01 00:00:00.0

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Enforcement Identifier:	006
Date of Enforcement Action:	1989-03-31 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1992-09-03 00:00:00.0
Actual Return to Compliance Date:	1992-10-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1992-10-12 00:00:00.0
Enforcement Identifier:	008
Date of Enforcement Action:	1992-09-03 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported

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SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	1800
Final Monetary Amount:	1200
Paid Amount:	Not reported
Final Count:	1
Final Amount:	1200
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1987-11-10 00:00:00.0
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported

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Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	1987-11-10 00:00:00.0
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-01-22 00:00:00.0
Enforcement Identifier:	001
Date of Enforcement Action:	1987-11-10 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported

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SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	1987-11-10 00:00:00.0
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-01-22 00:00:00.0
Enforcement Identifier:	002
Date of Enforcement Action:	1987-12-29 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1989-02-14 00:00:00.0
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-01 00:00:00.0

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Enforcement Identifier:	005
Date of Enforcement Action:	1989-03-08 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1992-09-02 00:00:00.0
Actual Return to Compliance Date:	1992-10-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1992-10-02 00:00:00.0
Enforcement Identifier:	007
Date of Enforcement Action:	1992-09-02 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	1800
Final Monetary Amount:	1200
Paid Amount:	Not reported
Final Count:	1
Final Amount:	1200
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1987-11-10 00:00:00.0
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	1987-11-10 00:00:00.0
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1988-06-26 00:00:00.0

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Enforcement Identifier:	003
Date of Enforcement Action:	1988-03-23 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1989-02-14 00:00:00.0
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1989-05-01 00:00:00.0
Enforcement Identifier:	005
Date of Enforcement Action:	1989-03-08 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	1989-02-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Scheduled Compliance Date:	1989-05-01 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1987-11-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Scheduled Compliance Date:	1988-01-22 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1987-11-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Scheduled Compliance Date:	1988-01-22 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1989-02-08 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported

Map ID
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MAP FINDINGS

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EECO (Continued)

1000323973

Actual Return to Compliance Date:	1989-06-19 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1992-07-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1992-10-09 00:00:00.0
Scheduled Compliance Date:	1992-10-02 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1989-02-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Scheduled Compliance Date:	1989-05-01 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1987-11-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Scheduled Compliance Date:	1988-06-26 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1989-02-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Scheduled Compliance Date:	1989-05-01 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Former Citation:	Not reported
Evaluation Date:	1989-02-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Scheduled Compliance Date:	1989-05-01 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1992-07-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1992-10-09 00:00:00.0
Scheduled Compliance Date:	1992-10-12 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1987-11-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1992-09-17 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1987-11-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes

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Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Scheduled Compliance Date:	1988-01-22 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1987-11-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Scheduled Compliance Date:	1988-01-22 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1989-02-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1989-05-16 00:00:00.0
Scheduled Compliance Date:	1989-05-01 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1992-07-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1992-10-09 00:00:00.0
Scheduled Compliance Date:	1992-10-02 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1987-11-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-08-09 00:00:00.0
Scheduled Compliance Date:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1987-11-10 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1988-08-09 00:00:00.0
Scheduled Compliance Date: 1988-06-26 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1989-02-14 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1989-05-16 00:00:00.0
Scheduled Compliance Date: 1989-05-01 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

ORANGE CO. LUST:

Name: EECO INC
Address: 1601 E CHESTNUT AVE
City,State,Zip: SANTA ANA, CA 92701
Region: ORANGE
Facility Id: 84UT031
Released Substance: Copper
Date Closed: 01/08/1986
Record ID: RO0001425

CERS HAZ WASTE:

Name: SANTA ANA UNIFIED SCHOOL DISTRICT OFFICE
Address: 1601 E CHESTNUT AVE
City,State,Zip: SANTA ANA, CA 92701
Site ID: 365657
CERS ID: 10583431
CERS Description: Hazardous Waste Generator

SWEEPS UST:

Name: EECO INCORPORATED
Address: 1601 E CHESTNUT AVE
City: SANTA ANA
Status: Not reported
Comp Number: 50
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-020-000050-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 7

Name: EECO INCORPORATED
Address: 1601 E CHESTNUT AVE
City: SANTA ANA
Status: Not reported
Comp Number: 50
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-020-000050-000002
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT

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Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Content: REG UNLEADED
Number Of Tanks: Not reported

Name: EECO INCORPORATED
Address: 1601 E CHESTNUT AVE
City: SANTA ANA
Status: Not reported
Comp Number: 50
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-020-000050-000003
Tank Status: Not reported
Capacity: 1400
Active Date: Not reported
Tank Use: M.V. FUEL
STG: WASTE
Content: LEADED
Number Of Tanks: Not reported

Name: EECO INCORPORATED
Address: 1601 E CHESTNUT AVE
City: SANTA ANA
Status: Not reported
Comp Number: 50
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-020-000050-000004
Tank Status: Not reported
Capacity: 1600
Active Date: Not reported
Tank Use: UNKNOWN
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: EECO INCORPORATED
Address: 1601 E CHESTNUT AVE
City: SANTA ANA
Status: Not reported
Comp Number: 50
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-020-000050-000005
Tank Status: Not reported
Capacity: 1500

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Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Active Date: Not reported
Tank Use: UNKNOWN
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: EECO INCORPORATED
Address: 1601 E CHESTNUT AVE
City: SANTA ANA
Status: Not reported
Comp Number: 50
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-020-000050-000006
Tank Status: Not reported
Capacity: 2500
Active Date: Not reported
Tank Use: UNKNOWN
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: EECO INCORPORATED
Address: 1601 E CHESTNUT AVE
City: SANTA ANA
Status: Not reported
Comp Number: 50
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-020-000050-000007
Tank Status: Not reported
Capacity: 2500
Active Date: Not reported
Tank Use: UNKNOWN
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

HIST UST:

Name: EECO INCORPORATED
Address: 1601 E CHESTNUT AVENUE
City,State,Zip: SANTA ANA, CA 92701
File Number: 0002E88E
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002E88E.pdf>
Region: STATE
Facility ID: 00000016669
Facility Type: Other
Other Type: ELECTRONIC MFG.
Contact Name: NORMAN A. MEYER, P.E.

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Telephone: 7148356000
Owner Name: EECO INCORPORATED
Owner Address: 1601 E. CHESTNUT AVENUE
Owner City,St,Zip: SANTA ANA, CA 92701
Total Tanks: 0007

Tank Num: 001
Container Num: 1601-01
Year Installed: 1958
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 1601-02
Year Installed: 1958
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 1441-01
Year Installed: Not reported
Tank Capacity: 00001400
Tank Used for: WASTE
Type of Fuel: REGULAR
Container Construction Thickness: 6"
Leak Detection: None

Tank Num: 004
Container Num: 1441-02
Year Installed: 1978
Tank Capacity: 00001600
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6"
Leak Detection: None

Tank Num: 005
Container Num: 1441-03
Year Installed: Not reported
Tank Capacity: 00001500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6"
Leak Detection: Stock Inventor

Tank Num: 006
Container Num: 1441-04
Year Installed: 1981
Tank Capacity: 00002500
Tank Used for: WASTE
Type of Fuel: Not reported

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Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Container Construction Thickness: 1/4"
Leak Detection: Visual

Tank Num: 007
Container Num: 1441-05
Year Installed: 1982
Tank Capacity: 00002500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 1/4"
Leak Detection: Visual

[Click here for Geo Tracker PDF:](#)

CA FID UST:

Facility ID: 30012449
Regulated By: UTNKA
Regulated ID: 00016669
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7148356000
Mail To: Not reported
Mailing Address: 1601 E CHESTNUT AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: SANTA ANA 92701
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

2020 COR ACTION:

EPA ID: CAD008256349
Region: 9
Action: Remedy Construction

FINDS:

Registry ID: 110002631064

[Click Here:](#)

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000323973
Registry ID: 110002631064

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002631064>
Name: EECO
Address: 1441 EAST CHESTNUT AVENUE
City,State,Zip: SANTA ANA, CA 92701

EMI:

Name: B/E AVIONICS INC
Address: 1601 E CHESTNUT AVE
City,State,Zip: SANTA ANA, CA 92701
Year: 1990
County Code: 30
Air Basin: SC
Facility ID: 76098
Air District Name: SC
SIC Code: 0
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: EECO INC
Address: 1601 E CHESTNUT AVE
City,State,Zip: SANTA ANA, CA 92701
Year: 1990
County Code: 30
Air Basin: SC
Facility ID: 24420
Air District Name: SC
SIC Code: 36
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

HWP:

Name: EECOINC
Address: 1441 E CHESTNUT AVE
City,State,Zip: SANTA ANA, CA 927010000
EPA Id: CAD008256349
Cleanup Status: CLOSED
Latitude: 33.74281
Longitude: -117.8489
Facility Type: Historical - Non-Operating
Facility Size: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Team: Not reported
Supervisor: Not reported
Site Code: 400216
Assembly District: 69
Senate District: 34
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:

EPA Id: CAD008256349
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, OTHRTRT1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 06/26/1992

EPA Id: CAD008256349
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, OTHRTRT1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 09/28/1983

EPA Id: CAD008256349
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, OTHRTRT1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/19/1980

EPA Id: CAD008256349
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, OTHRTRT1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 06/20/1983

EPA Id: CAD008256349
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, OTHRTRT1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 02/01/1988

Closure:

EPA Id: CAD008256349
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, CONTAIN2, OTHRTRT1, TANKSTR1, TANKSTR2, TANKSTR3, TANKTRT1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 05/06/1996

EPA Id: CAD008256349
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, CONTAIN2, OTHRTRT1, TANKSTR1, TANKSTR2, TANKSTR3, TANKTRT1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 12/27/1995

Alias:

EPA Id: CAD008256349
Facility Type: Historical - Non-Operating
Alias Type: Envirostor ID Number
Alias: 30360188

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

EPA Id: CAD008256349
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 400216

EPA Id: CAD008256349
Facility Type: Historical - Non-Operating
Alias Type: Alternate Name
Alias: RAYMOND VILLA SCHOOL

CERS:

Name: SANTA ANA UNIFIED SCHOOL DISTRICT OFFICE
Address: 1601 E CHESTNUT AVE
City,State,Zip: SANTA ANA, CA 92701
Site ID: 365657
CERS ID: 10583431
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 365657
Site Name: SANTA ANA UNIFIED SCHOOL DISTRICT OFFICE
Violation Date: 1/16/2014
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 05/14/2014. Containers are not properly labeled.
Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 365657
Site Name: SANTA ANA UNIFIED SCHOOL DISTRICT OFFICE
Violation Date: 1/24/2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 07/06/2017. Please refer below for everything that needs to be included on the site map.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 365657
Site Name: SANTA ANA UNIFIED SCHOOL DISTRICT OFFICE
Violation Date: 10/9/2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 11/08/2014.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 365657
Site Name: SANTA ANA UNIFIED SCHOOL DISTRICT OFFICE
Violation Date: 1/24/2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violation Notes: Returned to compliance on 07/06/2017. The Hazardous Materials Inventory disclosed on CERS does not match inventory I observed on site during the inspection. The Argon/CO2, Used Oil, and Waste Coolant will need to be added as well as gasoline and isobutylenated phenol phosphate be removed since they are not on site.

Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 365657
Site Name: SANTA ANA UNIFIED SCHOOL DISTRICT OFFICE
Violation Date: 1/16/2014
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173

Violation Description: Failure to properly close hazardous waste containers when not in active use.

Violation Notes: Returned to compliance on 05/14/2014. Containers are not stored closed.

Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 365657
Site Name: SANTA ANA UNIFIED SCHOOL DISTRICT OFFICE
Violation Date: 10/9/2014
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)

Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violation Notes: Returned to compliance on 12/08/2014.

Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-22-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Processed A21.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-24-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTOR COMMENTS: On site for a routine hazardous waste inspection. Consent to inspect and take any necessary photos was given by Camille Boden, Executive Director of Risk Management. Walked throughout the facility and observed hazardous waste storage areas. Containers were closed, properly labeled, and kept in good condition. Manifests were available for review. The facility's EPA ID number is active. Employees are reported to be trained. Emergency plan is posted in the garage and throughout the facility. The dumpster was observed and there are no signs of illegal disposal. No hazardous waste violations were observed this date. A copy of this inspection report was emailed to Camille Boden at Camille.Boden@SAUSD.US.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-04-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	After inspecting the SAUSD High Schools. Met back at this location and reviewed findings with Camille Boden.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-09-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Orange County Environmental Health as the Certified Unified Program Agency (OC CUPA) is the administering agency for the Hazardous Materials Disclosure and Business Emergency Plan programs (HMD/BEP) previously administered by the Orange County Fire Authority. During the months of August and December of 2013, the OC CUPA sent out letters to regulated businesses requesting them to electronically submit their HMD/BEP forms. Electronic submission of these forms is a legal requirement. Failure to submit HMD/BEP forms is in violation of the California Health & Safety Code Chapter 6.95. According to our records there is no electronic submission for this facility. Please go to www.esubmit.ocgov.com to request a username and password and submit your HMD/BEP forms within the next 30 days. Businesses may also submit forms via the California Environmental Reporting System. Please verify that all owner information that is prepopulated on the E-Submit Portal is still [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-20-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Susan Berg received a call from Grace Quintero regarding HMBEP warning

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

letter. Contacted Camille Bowden to schedule inspection and consultation to discuss electronic reporting requirements for all SAUSD sites.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-03-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Site research and follow-up with Camille Bowden, SAUSD district office.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-27-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Left a voicemail for Camille Boden, facility contact regarding outstanding Hazardous Materials inventory violation. The violation has been open for several months now and I have made several attempts to reach out to Camille for compliance.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-06-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed facility's CERS HMBEP Submission. The facility received violations for an inadequate site map and hazardous materials inventory during a routine inspection on 1/24/17. This date the inventory and map were accepted. Violations have been corrected. Facility Information declined - Business Activities Page is missing Hazardous Waste Generator.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-20-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received call from Grace Quintero of SAUSD district office. She received the hazmat annual submittal notification and had questions regarding how to comply. Answered questions and forwarded information to district inspector (Dean Freed) to assist with compliance.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-22-2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Met with Camille Bowden, Andy Putney and Tommy Portugal to discuss HMBEP requirements and a letter they had received from this agency.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-24-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTOR COMMENTS: On site for a routine Hazardous Materials and Business Emergency Plan (HMBEP) inspection. Consent to enter and inspect was given by Camille Boden, Executive Director of Risk Management. Observed the facility and inspected hazardous materials storage. The following materials were observed in amounts that meet or exceed the minimum volumes required for disclosure: - Motor Oils, 335 gallons - Used Oil, 55 gallons - Antifreeze, 165 gallons - Waste Antifreeze, 55 gallons - Argon/CO2 Mixture, 242 cubic feet The facility maintains their HMBEP on site. Annual employee training is conducted and documentation was reviewed. The facility has submitted their HMBEP to CERS (California Environmental Reporting System). The hazardous materials inventory is reported inaccurately and will need to be corrected within 30 days. Please add the following to your site map: north orientation, loading areas and internal roads if applicable, adjacent streets, [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-03-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed hazardous waste tracking system for Santa Ana USD high schools in preparation for tomorrows inspections with Camille Boden.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-16-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Facility is required and has been notified to electronically submit Hazardous Materials Business Emergency Plans and Chemical Inventory Form(s) by 2/6/14. Facility can submit forms electronically by going to www.esubmit.ocgov.com and requesting a username and password. User guides and tutorials are located on the home page to help you get started. If you are having trouble, please contact 714-433-6000.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-16-2014

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: SAUSD District Office 1601 E. Chestnut Ave. Santa Ana, CA 92701 On site for a routine hazardous waste inspection. Met with Camille Boden, Executive Director, Risk Management who granted consent to inspect and to take photos if needed. The District Yard, Building Services and Printing operations moved from this location to 720 N Fairview St, Santa Ana, CA 92703. Automotive maintenance remains at this location. Conducted a walk-thru and perimeter inspection of the facility including an observation of the trash dumpster. Observed that they have waste containers (1-55 gal waste antifreeze, 3-55 gal waste oil and 1-55 gal. used oil filters) which are not properly labeled or stored closed. Properly label and close these waste containers and notify me for a follow up inspection within the next 30 days. The waste disposal milk-run manifests could not be located at this time. Please have them available for my review within the next 2 weeks.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-22-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Processed A21.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-12-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS Submittal: Facility Info: accepted hazardous mat inventory: not accepted Please include the following on site map adjacent streets, evacuation staging area, hazardous materials storage area(s), emergency response equipment and emergency shutoffs (gas, water,electrical). Thank you, Emily Minson eminson@ochca.com Emergency response: accepted

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 365657
Facility Name: SANTA ANA UNIFIED SCHOOL DISTRICT OFFICE
Env Int Type Code: HMBP
Program ID: 10583431
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.743330
Longitude: -117.846790

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Camille Boden

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Santa Ana Unified School District
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (714) 558-5875

Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer Road Suite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6406

Affiliation Type Desc: Environmental Contact
Entity Name: Orin Williams
Entity Title: Not reported
Affiliation Address: 1601 E. Chestnut Ave.
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92701
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1601 E. Chestnut Ave
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92701
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Camille Boden
Entity Title: Executive Director of Risk Management
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EECO (Continued)

1000323973

Affiliation Type Desc:	Legal Owner
Entity Name:	Santa Ana Unified School District
Entity Title:	Not reported
Affiliation Address:	1601 E. Chestnut Ave
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92701
Affiliation Phone:	(714) 558-5875
Affiliation Type Desc:	Parent Corporation
Entity Name:	SANTA ANA UNIFIED SCHOOL DISTRICT OFFICE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

N74
WSW
1/2-1
0.541 mi.
2857 ft.

ELEMENTARY SCHOOL NO. 5
FIRST STREET/TOWNSEND STREET
SANTA ANA, CA 92701

ENVIROSTOR **S107736285**
SCH **N/A**

Site 2 of 3 in cluster N

Relative:
Lower

Actual:
127 ft.

ENVIROSTOR:	
Name:	ELEMENTARY SCHOOL NO. 5
Address:	FIRST STREET/TOWNSEND STREET
City,State,Zip:	SANTA ANA, CA 92701
Facility ID:	30590003
Status:	Inactive - Needs Evaluation
Status Date:	09/12/2005
Site Code:	404320
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	6
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	* Triss Chesney
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	69
Senate:	34
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.74332
Longitude:	-117.8467
APN:	NONE SPECIFIED
Past Use:	* RETIAL - MISC.
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	ELEMENTARY SCHOOL #5

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELEMENTARY SCHOOL NO. 5 (Continued)

S107736285

Alias Type:	Alternate Name
Alias Name:	SANTA ANA UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	SANTA ANA USD-PRPSD ELEMENTARY SCHOOL #5
Alias Type:	Alternate Name
Alias Name:	404320
Alias Type:	Project Code (Site Code)
Alias Name:	30590003
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inactive Status Letter
Completed Date:	07/14/2003
Comments:	DTSC issued an inactive status letter on November 4, 2002 indicating DTSC would close out the project if a revised schedule for future activities was not received. DTSC received verbal notification in March 2003, from the Santa Ana Unified School District that the project would likely not be active until September or October 2003.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Workplan
Completed Date:	08/14/2002
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	09/12/2003
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	07/23/2002
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	03/27/2002
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELEMENTARY SCHOOL NO. 5 (Continued)

S107736285

Name: ELEMENTARY SCHOOL NO. 5
Address: FIRST STREET/TOWNSEND STREET
City,State,Zip: SANTA ANA, CA 92701
Facility ID: 30590003
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 6
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: * Triss Chesney
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404320
Assembly: 69
Senate: 34
Special Program Status: Not reported
Status: Inactive - Needs Evaluation
Status Date: 09/12/2005
Restricted Use: NO
Funding: School District
Latitude: 33.74332
Longitude: -117.8467
APN: NONE SPECIFIED
Past Use: * RETIAL - MISC.
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: ELEMENTARY SCHOOL #5
Alias Type: Alternate Name
Alias Name: SANTA ANA UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: SANTA ANA USD-PRPSD ELEMENTARY SCHOOL #5
Alias Type: Alternate Name
Alias Name: 404320
Alias Type: Project Code (Site Code)
Alias Name: 30590003
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 07/14/2003
Comments: DTSC issued an inactive status letter on November 4, 2002 indicating DTSC would close out the project if a revised schedule for future activities was not received. DTSC received verbal notification in March 2003, from the Santa Ana Unified School District that the project would likely not be active until September or October 2003.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Workplan
Completed Date: 08/14/2002
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELEMENTARY SCHOOL NO. 5 (Continued)

S107736285

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/12/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 07/23/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/27/2002
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

N75
WSW
1/2-1
0.550 mi.
2905 ft.

E. CHESTNUT SA PROPERTY
1538 E. CHESTNUT AVE
SANTA ANA, CA 92701
Site 3 of 3 in cluster N

ENVIROSTOR **S108723981**
Orange Co. Industrial Site **N/A**

Relative:
Lower

Actual:
125 ft.

ENVIROSTOR:
Name: E. CHESTNUT SA PROPERTY
Address: 1538 E. CHESTNUT AVE
City,State,Zip: SANTA ANA, CA 92701
Facility ID: 60000732
Status: Refer: 1248 Local Agency
Status Date: 07/11/2007
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: ORANGE COUNTY
Lead Agency: ORANGE COUNTY
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: Not reported
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.74239

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E. CHESTNUT SA PROPERTY (Continued)

S108723981

Longitude: -117.8466
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 60000732
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 05/11/2010
Comments: The County of Orange submitted a notification to DTSC of a Remedial Investigation/action oversight to be conducted at the subject property.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Orange Co. Industrial Site:

Name: E. CHESTNUT SA PROPERTY
Address: 1538 E CHESTNUT AVE
City,State,Zip: SANTA ANA, CA 92701
Case ID: 07IC012
Record ID: RO0003441
Current Status: CLOSED 6/20/2008
Closure Type: Voluntary Cleanup Program Termination
Released Chemical: PERCHLOROETHYLENE, TRICHLOROETHYLENE

76
NNE
1/2-1
0.623 mi.
3291 ft.

Relative:
Higher

Actual:
162 ft.

WESTERN MEDICAL CENTER SANTA ANA
1001 N TUSTIN AVE
SANTA ANA, CA 92705

ENVIROSTOR 1000403038
CERS HAZ WASTE N/A
SWEEPS UST
HIST UST
CERS TANKS
CA FID UST
EMI
HAZNET
CERS
HWTS

ENVIROSTOR:

Name: WESTERN MEDICAL CENTER - SANTA ANA
Address: 1001 N. TUSTIN AVENUE
City,State,Zip: SANTA ANA, CA 92705
Facility ID: 71002574
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Assembly: 69
Senate: 34
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.75312
Longitude: -117.8341
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD076061464
Alias Type: EPA Identification Number
Alias Name: 71002574
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS HAZ WASTE:

Name: ORANGE COUNTY GLOBAL MEDICAL CENTER
Address: 1001 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
Site ID: 413556
CERS ID: 10558528
CERS Description: Hazardous Waste Generator

SWEEPS UST:

Name: WESTERN MEDICAL CENTER
Address: 1001 N TUSTIN AVE
City: SANTA ANA
Status: Not reported
Comp Number: 218

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 30-020-000218-000001
Tank Status: Not reported
Capacity: 30000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 1

Name: WESTERN MEDICAL CENTER
Address: 1001 N TUSTIN AVE
City: SANTA ANA
Status: Active
Comp Number: 218
Number: 1
Board Of Equalization: Not reported
Referral Date: 02-28-92
Action Date: 02-28-92
Created Date: 07-31-88
Owner Tank Id: Not reported
SWRCB Tank Id: 30-020-000218-000002
Tank Status: A
Capacity: 12000
Active Date: 01-28-94
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 1

HIST UST:

Name: WESTERN MEDICAL CENTER
Address: 1001 N TUSTIN AVENUE
City,State,Zip: SANTA ANA, CA 92705
File Number: 0001F0FF
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F0FF.pdf>
Region: STATE
Facility ID: 00000044278
Facility Type: Other
Other Type: HOSPITAL
Contact Name: WAYNE SCHROEDER
Telephone: 7148353555
Owner Name: WESTERN MEDICAL CENTER
Owner Address: 1001 N. TUSTIN AVENUE
Owner City,St,Zip: SANTA ANA, CA 92705
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1972
Tank Capacity: 00030000
Tank Used for: PRODUCT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Type of Fuel: DIESEL
Container Construction Thickness: 3/8
Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

CERS TANKS:

Name: ORANGE COUNTY GLOBAL MEDICAL CENTER
Address: 1001 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
Site ID: 413556
CERS ID: 10558528
CERS Description: Underground Storage Tank

CA FID UST:

Facility ID: 30000334
Regulated By: UTNKA
Regulated ID: 00044278
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7148353555
Mail To: Not reported
Mailing Address: 1001 N TUSTIN AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: SANTA ANA 92705
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

EMI:

Name: WESTERN MEDICAL CTR, UNIT 1
Address: 1001 N TUSTIN AV
City,State,Zip: SANTA ANA, CA 92705
Year: 1987
County Code: 30
Air Basin: SC
Facility ID: 4615
Air District Name: SC
SIC Code: 8062
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 5
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr: 0

Name: WESTERN MEDICAL CTR (EIS USE)
Address: 1001 N TUSTIN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

City,State,Zip: SANTA ANA, CA 92705
Year: 1990
County Code: 30
Air Basin: SC
Facility ID: 800211
Air District Name: SC
SIC Code: 8062
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: WESTERN MEDICAL CTR, UNIT 1
Address: 1001 N TUSTIN AV
City,State,Zip: SANTA ANA, CA 92705
Year: 1990
County Code: 30
Air Basin: SC
Facility ID: 4615
Air District Name: SC
SIC Code: 8062
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: WESTERN MEDICAL CTR (EIS USE)
Address: 1001 N TUSTIN
City,State,Zip: SANTA ANA, CA 92705
Year: 1996
County Code: 30
Air Basin: SC
Facility ID: 800211
Air District Name: SC
SIC Code: 8062
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Name: WESTERN MEDICAL CTR (EIS USE)
Address: 1001 N TUSTIN
City,State,Zip: SANTA ANA, CA 92705
Year: 1997
County Code: 30
Air Basin: SC
Facility ID: 800211
Air District Name: SC
SIC Code: 8062
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 10
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: WESTERN MEDICAL CTR (EIS USE)
Address: 1001 N TUSTIN
City,State,Zip: SANTA ANA, CA 92705
Year: 1998
County Code: 30
Air Basin: SC
Facility ID: 800211
Air District Name: SC
SIC Code: 8062
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 7
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: WESTERN MEDICAL CTR (EIS USE)
Address: 1001 N TUSTIN
City,State,Zip: SANTA ANA, CA 92705
Year: 1999
County Code: 30
Air Basin: SC
Facility ID: 800211
Air District Name: SC
SIC Code: 8062
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 10
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: WESTERN MEDICAL CTR (EIS USE)
Address: 1001 N TUSTIN
City,State,Zip: SANTA ANA, CA 92705
Year: 2000
County Code: 30
Air Basin: SC
Facility ID: 800211
Air District Name: SC
SIC Code: 8062
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 10
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: WESTERN MEDICAL CTR (EIS USE)
Address: 1001 N TUSTIN
City,State,Zip: SANTA ANA, CA 92705
Year: 2001
County Code: 30
Air Basin: SC
Facility ID: 800211
Air District Name: SC
SIC Code: 8062
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 10
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 2
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

HAZNET:

Name: ORANGE COUNTY GLOBAL MEDICAL CENTER
Address: 1001 N TUSTIN AVE
Address 2: Not reported
City,State,Zip: SANTA ANA, CA 927053502
Contact: KYLE HOURANEY
Telephone: 7149533500
Mailing Name: Not reported
Mailing Address: 1001 N TUSTIN AVE

Year: 2019
Gepaid: CAL000316673
TSD EPA ID: CAD008364432
CA Waste Code: 331 - Off-specification, aged or surplus organics

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.01450
Year:	2019
Gepaid:	CAL000316673
TSD EPA ID:	NED981723513
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.41050
Year:	2019
Gepaid:	CAL000316673
TSD EPA ID:	UTD981552177
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.58600
Year:	2018
Gepaid:	CAL000316673
TSD EPA ID:	UTD981552177
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.73250
Year:	2018
Gepaid:	CAL000316673
TSD EPA ID:	UTD981552177
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	-
Tons:	0.12250
Year:	2018
Gepaid:	CAL000316673
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.23100
Year:	2018
Gepaid:	CAL000316673
TSD EPA ID:	CAD009007626
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	8.05000
Year:	2018
Gepaid:	CAL000316673
TSD EPA ID:	NED981723513
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.86350
Year:	2017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Gepaid: CAL000316673
TSD EPA ID: CAD008364432
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0055

Year: 2017
Gepaid: CAL000316673
TSD EPA ID: CAD009007626
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As
Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.23

[Click this hyperlink](#) while viewing on your computer to access
51 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year: 2017
Gen EPA ID: CAL000316673

Shipment Date: 20171221
Creation Date: 10/27/2018 18:30:26
Receipt Date: 20180105
Manifest ID: 018247373JJJ
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEANHARBORS ENV SERVICES
TSDF EPA ID: UTD981552177
Trans Name: CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID: NED981723513
TSDF Alt Name: CLEAN HARBORS KIMBALL
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: Not reported
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 0.1325
Waste Quantity: 265
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171221
Creation Date: 8/7/2018 18:30:34
Receipt Date: 20171228
Manifest ID: 018247372JJJ
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008364432
Trans Name: RHO-CHEM LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	P016
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171114
Creation Date:	6/13/2018 18:31:23
Receipt Date:	20171115
Manifest ID:	017497121JJJ
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171103
Creation Date:	10/16/2018 18:30:37
Receipt Date:	20171113
Manifest ID:	013289394JJJ
Trans EPA ID:	CAL000190758
Trans Name:	JANUS CORPORATION
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	ECTI
TSDf EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171017
Creation Date:	10/9/2018 18:30:56
Receipt Date:	20171023
Manifest ID:	017400968JJJ
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSD EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSD EPA ID:	NED981723513
TSD Name:	CLEAN HARBORS KIMBALL
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.273
Waste Quantity:	546
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171011
Creation Date:	10/16/2018 18:30:28
Receipt Date:	20171019
Manifest ID:	013289392JJJ
Trans EPA ID:	CAL000190758
Trans Name:	JANUS CORPORATION
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	ECTI
TSD EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSD EPA ID:	Not reported
TSD Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Shipment Date:	20171004
Creation Date:	6/13/2018 18:31:10
Receipt Date:	20171013
Manifest ID:	017497037JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170915
Creation Date:	9/29/2018 18:30:10
Receipt Date:	20171004
Manifest ID:	014810500JJK
Trans EPA ID:	CAL000190758
Trans Name:	JANUS CORPORATION
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	ECTI
TSDf EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170825
Creation Date:	10/5/2018 18:30:23
Receipt Date:	20170907
Manifest ID:	014810486JJK
Trans EPA ID:	CAL000190758
Trans Name:	JANUS CORPORATION
Trans 2 EPA ID:	CAR000049064

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Trans 2 Name:	ECTI
TSDf EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170718
Creation Date:	9/28/2018 18:30:17
Receipt Date:	20170802
Manifest ID:	014810459JJK
Trans EPA ID:	CAL000190758
Trans Name:	JANUS CORPORATION
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	ECTI
TSDf EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000316673

Shipment Date:	20110913
Creation Date:	11/12/2011 18:30:11
Receipt Date:	20110915
Manifest ID:	005728839JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110913
Creation Date:	11/12/2011 18:30:11
Receipt Date:	20110915
Manifest ID:	005728839JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.33
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110913
Creation Date:	11/12/2011 18:30:11
Receipt Date:	20110915
Manifest ID:	005728839JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.152

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110913
Creation Date:	11/12/2011 18:30:11
Receipt Date:	20110915
Manifest ID:	005728839JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110815
Creation Date:	10/19/2011 18:30:31
Receipt Date:	20110816
Manifest ID:	008368195JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.152
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Shipment Date: 20110404
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 007299737JJK
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: D002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20110404
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 007299737JJK
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.015
Waste Quantity: 30
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20110404
Creation Date: 8/15/2012 16:24:28
Receipt Date: 20110406
Manifest ID: 007299737JJK
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: D002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20110404
Creation Date: 8/15/2012 16:24:28
Receipt Date: 20110406
Manifest ID: 007299737JJJ
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: D002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.075
Waste Quantity: 150
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20110404
Creation Date: 8/15/2012 16:24:28
Receipt Date: 20110406
Manifest ID: 007299737JJJ
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.38
Waste Quantity: 100
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2009
Gen EPA ID: CAL000316673

Shipment Date: 20090918
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 002347328JJJ
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: D002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20090918
Creation Date: 12/30/2010 9:08:42
Receipt Date: 20090923
Manifest ID: 002347328JJJ
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.038

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090918
Creation Date:	12/30/2010 9:08:42
Receipt Date:	20090923
Manifest ID:	002347328JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.5445
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090918
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	002347328JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Shipment Date: 20090508
Creation Date: 12/30/2010 9:06:03
Receipt Date: 20090513
Manifest ID: 005361758JJJ
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.21
Waste Quantity: 50
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20090508
Creation Date: 12/30/2010 9:06:03
Receipt Date: 20090513
Manifest ID: 005361758JJJ
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.152
Waste Quantity: 40
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20090508
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 005361758JJJ
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20090508
Creation Date: 12/30/2010 9:06:03
Receipt Date: 20090513
Manifest ID: 005361758JJJ
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.152
Waste Quantity: 40
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20090508
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 005361758JJJ
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.15
Waste Quantity: 300
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20090508
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 005361758JJK
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: D008
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.015
Waste Quantity: 30
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2008
Gen EPA ID: CAL000316673

Shipment Date: 20080721
Creation Date: 8/15/2012 16:22:33
Receipt Date: 20080730
Manifest ID: 004100011JJK
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.495
Waste Quantity: 150

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080721
Creation Date:	8/15/2012 16:22:33
Receipt Date:	20080730
Manifest ID:	004100011JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080721
Creation Date:	8/15/2012 16:22:33
Receipt Date:	20080730
Manifest ID:	004100011JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	725 - Liquids with mercury > 20 mg/l
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080721

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004100011JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080721
Creation Date:	8/15/2012 16:22:51
Receipt Date:	20080729
Manifest ID:	004100053JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.036
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080721
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004100011JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.075
Waste Quantity: 150
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20080721
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 004100011JJK
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.075
Waste Quantity: 150
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20080721
Creation Date: 8/15/2012 16:22:33
Receipt Date: 20080730
Manifest ID: 004100011JJK
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.099

Map ID
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Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Waste Quantity: 30
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2007
Gen EPA ID: CAL000316673

Shipment Date: 20071207
Creation Date: 3/5/2008 18:30:14
Receipt Date: 20071212
Manifest ID: 004099893JJJ
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.297
Waste Quantity: 90
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20070727
Creation Date: 1/8/2008 18:30:16
Receipt Date: 20070801
Manifest ID: 002378064JJJ
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.33
Waste Quantity: 100
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070727
Creation Date:	1/8/2008 18:30:16
Receipt Date:	20070801
Manifest ID:	002378064JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070308
Creation Date:	9/20/2007 18:30:30
Receipt Date:	20070314
Manifest ID:	002129205JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.019
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070308
Creation Date:	9/20/2007 18:30:30
Receipt Date:	20070314
Manifest ID:	002129205JJK
Trans EPA ID:	CAD982030173

Map ID
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Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070308
Creation Date:	9/20/2007 18:30:30
Receipt Date:	20070314
Manifest ID:	002129205JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.33
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070308
Creation Date:	9/20/2007 18:30:30
Receipt Date:	20070314
Manifest ID:	002129205JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

RCRA Code: D002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.01
Waste Quantity: 20
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2013
Gen EPA ID: CAL000316673

Shipment Date: 20131231
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 012157409JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0033
Waste Quantity: 1
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131231
Creation Date: 4/7/2014 22:15:09
Receipt Date: 20140103
Manifest ID: 012157409JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

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EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Quantity Tons:	0.374
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131231
Creation Date:	4/7/2014 22:15:09
Receipt Date:	20140103
Manifest ID:	012157409JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131231
Creation Date:	4/7/2014 22:15:09
Receipt Date:	20140103
Manifest ID:	012157409JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02085
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Additional Code 5:	Not reported
Shipment Date:	20131231
Creation Date:	4/7/2014 22:15:09
Receipt Date:	20140103
Manifest ID:	012157409JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131231
Creation Date:	7/3/2014 22:15:07
Receipt Date:	20140210
Manifest ID:	011439771JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	NJD986607380
Trans 2 Name:	MAUMEE EXPRESS INC
TSDF EPA ID:	MOD981123391
Trans Name:	HAZMAT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130520
Creation Date:	8/6/2013 22:15:08
Receipt Date:	20130528
Manifest ID:	011134215JJK
Trans EPA ID:	CAR000172460

Map ID
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Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SVS
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.00417
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130520
Creation Date:	7/28/2013 22:15:09
Receipt Date:	20130522
Manifest ID:	011439555JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130520
Creation Date:	7/28/2013 22:15:09
Receipt Date:	20130522
Manifest ID:	011439555JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

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EDR ID Number
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WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1375
Waste Quantity:	275
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130520
Creation Date:	7/28/2013 22:15:09
Receipt Date:	20130522
Manifest ID:	011439546JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2010
Gen EPA ID:	CAL000316673
Shipment Date:	20100909
Creation Date:	8/15/2012 16:23:25
Receipt Date:	20100915
Manifest ID:	005726761JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

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EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Quantity Tons:	Treatment/Reovery (H010-H129) Or (H131-H135) 0.495
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100909
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005726761JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100909
Creation Date:	8/15/2012 16:23:25
Receipt Date:	20100915
Manifest ID:	005726761JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Additional Code 5:	Not reported
Shipment Date:	20100909
Creation Date:	8/15/2012 16:23:25
Receipt Date:	20100915
Manifest ID:	005726761JJJ
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100909
Creation Date:	8/15/2012 16:23:25
Receipt Date:	20100915
Manifest ID:	005726761JJJ
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.114
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100401
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005728133JJJ
Trans EPA ID:	CAD982030173

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EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.01
Waste Quantity: 20
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20100401
Creation Date: 8/15/2012 16:24:00
Receipt Date: 20100407
Manifest ID: 005728133JJK
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: D002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.005
Waste Quantity: 10
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20100401
Creation Date: 8/15/2012 16:24:00
Receipt Date: 20100407
Manifest ID: 005728133JJK
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100401
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005728133JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	725 - Liquids with mercury > 20 mg/l
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100401
Creation Date:	8/15/2012 16:24:00
Receipt Date:	20100407
Manifest ID:	005728133JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.33
Waste Quantity:	100
Quantity Unit:	G

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2015
Gen EPA ID: CAL000316673

Shipment Date: 20151120
Creation Date: 1/21/2016 22:16:16
Receipt Date: 20151124
Manifest ID: 015033003JJJ
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSD EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSD EPA ID: Not reported
TSD Name: Not reported
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Recovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.001
Waste Quantity: 2
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151120
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 015033852JJJ
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS
TSD EPA ID: ARD069748192
Trans Name: CLEAN HARBORS EL DORADO LLC
TSD EPA ID: Not reported
TSD Name: Not reported
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: D001
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 0.00417
Waste Quantity: 1
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	1/21/2016 22:16:16
Receipt Date:	20151124
Manifest ID:	015033003JJJ
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.00417
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	9/29/2016 18:33:11
Receipt Date:	20151213
Manifest ID:	015033852JJJ
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.00417
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	9/29/2016 18:33:11
Receipt Date:	20151213
Manifest ID:	015033852JJJ
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC

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Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS
TSDF EPA ID: ARD069748192
Trans Name: CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: D002
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 0.00417
Waste Quantity: 1
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151120
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 015033852JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS
TSDF EPA ID: ARD069748192
Trans Name: CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: Not reported
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 0.00417
Waste Quantity: 1
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151103
Creation Date: 5/12/2016 9:59:35
Receipt Date: 20151201
Manifest ID: 015033711JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS
TSDF EPA ID: ARD069748192
Trans Name: CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: D001
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel

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EDR ID Number
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WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Quantity Tons:	1.4178
Waste Quantity:	340
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151103
Creation Date:	1/11/2016 22:16:27
Receipt Date:	20151106
Manifest ID:	015033708JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151103
Creation Date:	1/11/2016 22:16:27
Receipt Date:	20151106
Manifest ID:	015033708JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.038
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

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WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Additional Code 5: Not reported

Shipment Date: 20150727
Creation Date: 10/1/2015 22:15:21
Receipt Date: 20150729
Manifest ID: 014580177JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.025
Waste Quantity: 50
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2012
Gen EPA ID: CAL000316673

Shipment Date: 20121130
Creation Date: 2/18/2013 22:15:20
Receipt Date: 20121217
Manifest ID: 010615147JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENV SVS
TSDf EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0066
Waste Quantity: 2
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20121130

Map ID
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WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Creation Date: 2/14/2013 22:15:16
Receipt Date: 20121203
Manifest ID: 008408981JJJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0075
Waste Quantity: 15
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20121130
Creation Date: 2/14/2013 22:15:16
Receipt Date: 20121203
Manifest ID: 008408981JJJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.01
Waste Quantity: 20
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20121130
Creation Date: 2/14/2013 22:15:16
Receipt Date: 20121203
Manifest ID: 008408981JJJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported

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WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

TSDf EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.019
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121130
Creation Date:	2/14/2013 22:15:16
Receipt Date:	20121203
Manifest ID:	008408981JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120611
Creation Date:	8/7/2012 22:15:26
Receipt Date:	20120612
Manifest ID:	010210598JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

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WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Quantity Tons:	Treatment/Reovery (H010-H129) Or (H131-H135) 0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120611
Creation Date:	8/7/2012 22:15:22
Receipt Date:	20120613
Manifest ID:	010210600JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02085
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120611
Creation Date:	8/7/2012 22:15:26
Receipt Date:	20120612
Manifest ID:	010210598JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.099
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120611
Creation Date:	8/7/2012 22:15:22
Receipt Date:	20120613
Manifest ID:	010210599JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120611
Creation Date:	8/7/2012 22:15:22
Receipt Date:	20120613
Manifest ID:	010210599JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000316673

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Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Shipment Date: 20151120
Creation Date: 9/29/2016 18:33:11
Receipt Date: 20151213
Manifest ID: 015033852JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS
TSDF EPA ID: ARD069748192
Trans Name: CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: D002
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 0.00417
Waste Quantity: 1
Quantity Unit: G
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151120
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 015033852JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS
TSDF EPA ID: ARD069748192
Trans Name: CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: D001
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 0.00417
Waste Quantity: 1
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151120
Creation Date: 1/21/2016 22:16:16
Receipt Date: 20151124
Manifest ID: 015033003JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481

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EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.00417
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	1/21/2016 22:16:16
Receipt Date:	20151124
Manifest ID:	015033003JJJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	9/29/2016 18:33:11
Receipt Date:	20151213
Manifest ID:	015033852JJJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.00417

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WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	015033852JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.00417
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151103
Creation Date:	1/11/2016 22:16:27
Receipt Date:	20151106
Manifest ID:	015033708JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID
Direction
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Elevation

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WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Shipment Date:	20151103
Creation Date:	1/11/2016 22:16:27
Receipt Date:	20151106
Manifest ID:	015033708JJJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.038
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151103
Creation Date:	5/12/2016 9:59:35
Receipt Date:	20151201
Manifest ID:	015033711JJJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDf EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	1.4178
Waste Quantity:	340
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150727
Creation Date:	10/1/2015 22:15:21
Receipt Date:	20150729
Manifest ID:	014580177JJJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

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WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.187
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2014
Gen EPA ID: CAL000316673

Shipment Date: 20141215
Creation Date: 3/6/2015 22:15:05
Receipt Date: 20141217
Manifest ID: 013482056JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.03
Waste Quantity: 60
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141215
Creation Date: 3/6/2015 22:15:05
Receipt Date: 20141217
Manifest ID: 013482056JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported

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WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

TSDf Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.057
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140811
Creation Date:	9/30/2014 22:15:08
Receipt Date:	20140812
Manifest ID:	013481512JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140811
Creation Date:	9/30/2014 22:15:08
Receipt Date:	20140812
Manifest ID:	013481512JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.255
Waste Quantity:	75

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WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140616
Creation Date:	8/26/2014 22:15:12
Receipt Date:	20140625
Manifest ID:	012769065JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140508
Creation Date:	7/12/2014 22:15:07
Receipt Date:	20140509
Manifest ID:	012428034JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

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WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

CERS:

Name: WESTERN MEDICAL CTR (EIS USE)
Address: 1001 N TUSTIN
City,State,Zip: SANTA ANA, CA 92705-3502
Site ID: 504834
CERS ID: 110002416252
CERS Description: US EPA Air Emission Inventory System (EIS)

Name: ORANGE COUNTY GLOBAL MEDICAL CENTER
Address: 1001 N TUSTIN AVE
City,State,Zip: SANTA ANA, CA 92705
Site ID: 413556
CERS ID: 10558528
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 413556
Site Name: ORANGE COUNTY GLOBAL MEDICAL CENTER
Violation Date: 12/28/2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Returned to compliance on 01/10/2017. Several containers of hazardous waste and universal wastes are missing the accumulation start dates. Add the start dates to the containers when waste is first added.

Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS

Site ID: 413556
Site Name: ORANGE COUNTY GLOBAL MEDICAL CENTER
Violation Date: 1/19/2017
Citation: HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple

Violation Description: UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.

Violation Notes: Returned to compliance on 02/14/2017. UPC forms completed on the CERS portal are not accurate. Refer to the CERS portal for regulator comments and make the necessary corrections that have been requested. Correct the violation within 30 days.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 413556
Site Name: ORANGE COUNTY GLOBAL MEDICAL CENTER
Violation Date: 12/5/2018
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)

Violation Description: Failure to comply with one or more of the following overflow prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or

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WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Violation Notes: triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, - 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October- 1, - 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months. Returned to compliance on 12/05/2018. Overfill prevention equipment testing was required to be completed by 10/13/2018 and must be re-tested every three years thereafter. Testing was completed on this date. Violation has been corrected.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 413556
Site Name: ORANGE COUNTY GLOBAL MEDICAL CENTER
Violation Date: 2/17/2015
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)

Violation Description: Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.

Violation Notes: Returned to compliance on 03/04/2015. The results of the SB989 test indicate the piping sump failed. Have the sump repaired and retested and submit the results to this agency. Submit plans to this agency if required for the repairs.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

Site ID: 413556
Site Name: ORANGE COUNTY GLOBAL MEDICAL CENTER
Violation Date: 1/17/2019
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34

Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.

Violation Notes: Returned to compliance on 01/17/2019. CFR Form in CERS expired on 09/07/2018. Current CFR form was uploaded to CERS during inspection. Violation corrected on site.

Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS

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WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Site ID: 413556
Site Name: ORANGE COUNTY GLOBAL MEDICAL CENTER
Violation Date: 12/19/2013
Citation: HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description: Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes: Returned to compliance on 07/09/2015. Elements of the chemical descriptions within the electronically submitted BEP are missing (e.g. Size of Largest Container, Average Daily Amount, etc.). Update the chemical information required on the forms
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 413556
Site Name: ORANGE COUNTY GLOBAL MEDICAL CENTER
Violation Date: 12/19/2013
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes: Returned to compliance on 07/09/2015. The following items were missing on the electronically submitted site map: Failure to label map with Business Name and Address Failure to label or identify hazardous materials storage areas Failure to identify location of building exits Failure to identify multiple stories of building
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 04-18-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Accepted DO owners statement in portal. DO = Ronald Kress
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-12-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received email from Lorna Freeman for South Coast Global Medical who informed this Agency the Integrated Healthcare Holdings will be changing to KPC Health Care Inc and the DBA will change to Orange County Global Medical Center. Emailed Lorna Medical Waste Registration Forms for update of all 4 hospitals. Emailed HCA/Hendron and HCA/Nofal with new information. CUPA programs will need to be updated.
Eval Division: Orange County Environmental Health
Eval Program: HWRecycler
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-17-2015

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WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	ORANGE COUNTY GLOBAL MEDICAL CENTER New Corporation Change or Ownership: KPC HEALTHCARE, INC.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-09-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Read/review pre 2015 HMBEP submission. Accepted pending review of the more recent submission.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-12-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Monitor cert notification
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-09-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	submission in review
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-17-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTOR COMMENTS: On site for routine Recycler inspection, consent to enter and conduct inspection activities was provided by Ronald Kress, Lead Engineer. Facility recycles the following materials in the following quantities: -Xylene: 0.264 gallons per year -Formoline: 8.45-16.91 gallons per month -Alcohol: 6-8 gallons per year Facility recycles below the regulatory threshold for reporting recyclable material. Changing to status 02.
Eval Division:	Orange County Environmental Health
Eval Program:	HWRecycler
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-19-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site for a monitor certification and routine inspection. This site has one double walled tank with double walled suction piping for a

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WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

back-up generator. The tank system is monitored by a Veeder Root TLS-300. The piping sump sensor, fill sump sensor, and annular sensor were tested for alarm. The tank uses a flapper valve for overfill prevention. The spill bucket was visually tested. The following documents are available for review: - UPC forms from CERS - Certificate of financial responsibility dated 1/9/16 - UST response plan - UST monitoring plan - UST plot plan - Designated operator statement - expiration dated 9/12/18 - DO monthly inspections with alarm history - Employee training records are current - No alarms since last inspection - Monitor certification dated 1/22/16 - SB989 test dated 1/23/15, 3/4/15 - Spill bucket tests dated 1/22/16 - Above ground piping daily inspection log

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-21-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-04-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Regarding alcohol and xylene previously generated and recycled in Histology, the operator (Joe Brothman) stated on 2/3/14: I spoke with histology who detailed our chemical processes. We do recycle alcohol, xylene and formalin, but since we outsourced our histology, we mostly only deal with formalin and only rarely use alcohol or xylene. Our log, as detailed in the photo, does capture any time we recycle these chemicals. From our records we are using less of each chemical than previous years, and we have never been cited for needing a permit. If you would like to come take a look, I am available anytime this week.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-04-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: reviewed history of my activities here and responded to email from super regarding time spent on this facility.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-05-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Spoke with Ron Kress, rejected HM submittal in E-Submit.

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WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-08-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The following documents submitted to CERS on 1/17/18 and were accepted: -Site Plan -Monitoring Plan -CFR -Leak Response Plan -CFO Letter -DO Statement
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-17-2015
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This agency received and reviewed the monitor certification and SB989 test results for the underground storage tank at this site. The results for the monitor certification and spill bucket test indicate all components passed. .
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-14-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This agency received and reviewed the monitor certification and spill bucket test dated 1/22/16. The results indicate all components passed.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-17-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTOR COMMENTS: The following materials were observed on site at or above the regulatory threshold for reporting: -Aqua-Serve 2302D: one 60 gallon container -Aqua-Serve 2362: one 60 gallon container -Aqua-Serve 4622: one 60 gallon container -Aqua-Serve 4913D: one 60 gallon container -Diesel: one 12,000 gallon underground storage tank -Liquid Oxygen: one 6,000 gallon tank and one 525 gallon tank Assisted facility with 2018 CERS submission on this date.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-22-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Review for inspection.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a monitor certification and routine inspection. This site has 1 double walled diesel tank with double walled suction piping for a back up generator. The piping sump sensor, fill sump sensor, and annular sensor were tested for alarm. The tank uses a mechanical overfill prevention device. The spill bucket was visually tested and passed. Tank is monitored by a Veeder Root TLS-300. Observed the following documents: - Certificate of financial responsibility dated 1-19-16 - Designated Operator statement - expiration dated 9-15-16 - DO monthly inspections with alarm history - Employee training records are current - Monitor certification dated 1/23/15 - SB989 test results dated 1/23/15, 3/4/15 - Spill bucket test dated 1/23/15 - Service tickets, work orders - Required UPC forms from E-Submit portal No alarms identified since last monitor certification.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a monitor certification and routine inspection. This site has 1 double walled diesel tank with double walled suction piping for a back-up generator. The annular sensor, piping sump sensor, and fill sump sensor activate alarms on the Veeder Root monitor. Verified a flapper valve for overfill prevention. The spill bucket was visually tested and passed. All technician certifications verified today. The following documents are available for review: - Monthly designated operator inspection reports with alarm history - Annual employee training records are current - Monitor certification dated 1/24/14 - SB989 test results dated 1/30/12 - Spill bucket test dated 1/24/14 - Work orders, service tickets UPC forms have been submitted on the E-Submit Portal.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-05-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: INSPECTOR COMMENTS: The following documents have been received and reviewed by this agency: -Monitor System Certification dated 01/17/2018 -Secondary Containment Testing dated 01/17/2018 All components regulated by this agency passed testing.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Eval General Type:	Other/Unknown
Eval Date:	02-24-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	CFR for the coverage period of 9/6/15-9/6/16 accepted in portal. Note to own/op: Please maintain insurance documents on site and make them available for review during inspections.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-16-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This agency received and reviewed the SB989 retest results for the piping sump on the underground tank dated 3/4/15. The results indicate the sump was repaired, retested and passed. Violation I382 abated. No outstanding violations.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-26-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed contents of UST file from Santa Ana Fire Department and first removed all documents associated with remediation of a leaking UST; these will be given to our AgencyG s LOP program for review. The remaining documents were reviewed, sorted, and filed in our AgencyG s UST file.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-12-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This agency received and reviewed the revised monitor certification dated 1/19/17 with the requested corrections.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for a recycling inspection. Consent to enter and inspect granted by Robert Kessler. Observed the Histology Department. Formalin waste continues to be recycled at this lab. A recycling log is maintained and appears that less than 100 kg of formalin is recycled per year. If formalin recycling exceeds 100kg per month then a Hazardous Waste Recycling form must be completed every 2 years.
Eval Division:	Orange County Environmental Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Eval Program:	HWRrecycler
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for a routine hazardous waste inspection. Consent to enter and inspect granted by Robert Kessler. Observed the waste storage area, Histology Department, morgue, and main lab. Drums and containers of wastes are covered and labeled. Wastes include formalin, minimal amounts of xylene, waste oil, mercury thermometers, and universal wastes. Manifests for waste disposal are available for review. Emergency response and contact information is on site and available for review. Verified the owner as Integrated Healthcare Holdings.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-17-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for a hazardous materials inspection. Consent to enter and inspect granted by Robert Kessler. Observed the following qualifying hazardous materials: - 55 gallon container of corrosive liquid used for the cooling towers (chemical needs to be added to HM Disclosure in Portal) - One 525 gallon liquid oxygen tank (volume needs to be added to HM Disclosure form in Portal) - One liquid oxygen tank (volume unknown and needs to be added to HM Disclosure in Portal) - One underground diesel tank for back-up generators (volume needs to be added to HM Disclosure form in Portal) Annual Hazardous Materials DOT training records for employees are current and available for review. The Business Emergency Plan is on site.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-18-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed submission package on eSubmit Portal, DECLINED. Request for re-submittal this date. Please Check box UST Tank VI Fill Components Installed : Containment Sump Monitoring Plan please: Check box V 1 Continuous Monitoring of pipe... and Secondary Containment is a: DRY; & Panel Mfg and Model, Leak Sensor: 205 Check box V 5 Visual Pipe Monitoring--Min monthly and each time system operated. For questions please contact Alvin Dong, adong@ochca.com 714 640 9358
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	05-10-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Eval Notes:	Not reported
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-12-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Received email from Lorna Freeman for South Coast Global Medical who informed this Agency the Integrated Healthcare Holdings will be changing to KPC Health Care Inc and the DBA will change to Orange County Global Medical Center. Emailed Lorna Medical Waste Registration Forms for update of all 4 hospitals. Emailed HCA/Hendron and HCA/Nofal with new information. CUPA programs will need to be updated.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-12-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Received email from Lorna Freeman for South Coast Global Medical who informed this Agency the Integrated Healthcare Holdings will be changing to KPC Health Care Inc and the DBA will change to Orange County Global Medical Center. Emailed Lorna Medical Waste Registration Forms for update of all 4 hospitals. Emailed HCA/Hendron and HCA/Nofal with new information. CUPA programs will need to be updated.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-24-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	open UST pages individually on e-Submit and print for later review.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-05-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Monitor cert notification
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-09-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	submission in review
Eval Division:	Orange County Environmental Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-10-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Review of waste streams and hw shipped 2013.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-10-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	This agency received and reviewed the Certificate of Return to Compliance. Violation I400 abated. No outstanding violations.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-08-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	submission in review
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-16-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	On site for routine UST inspection and to observed the following testing: - Annual Monitoring System Certification - Spill Container Testing The facility has one 12,000-gallon double-walled tank (Diesel) used for an emergency generator. The tank is monitored by a Veeder-Root (VR) TLS-300 system. Fill sump and piping sump are monitored by VR-205 sensors. Annular is monitored by a VR-420 sensor. The tank has double-walled suction piping. Testing was conducted by Joseph Gonzalez of Fuel Pros Inc. Tester certifications (VR, ICC) were verified. Flapper valve is used for overfill prevention. Overfill prevention test was last performed on 12/5/2018. Testing must be performed every 36 months. Secondary Containment testing was last performed on 1/17/2018. Testing must be performed every 36 months. Please submit the test reports to this agency within 30 days.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-17-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site to witness monitoring system certification testing activities

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

and to conduct routine UST inspection. Testing was conducted by Joseph Gonzalez of Fuel Pros. Tester certifications (VR, ICC) were verified. Certification stickers were attached to all tested components. Please submit the test reports to this Agency within 30 days. The facility has one double-walled tank (Diesel) monitored by a Veeder Root TLS-300 system. Tank is used as a back-up generator. Site uses a flapper valve for overfill prevention. Annular sensor and sump sensors alarmed properly (visual and audible). Spill bucket testing not witnessed by this agency. The following documents were available for review: Monitoring Plan, Leak Response Plan, Test Reports, Maintenance Records, DO Monthly Reports, DO Annual Employee Training Records, CFR and daily inspection records for above ground piping. Secondary containment testing last conducted on 01/17/2018. Secondary containment must be [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-21-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-22-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: A review of hazardous waste manifests shipped from your facility last calendar year (2013) indicates that on HW Manifest No. 0111192089 (ship date 3/12/13) several drums of formalin waste were shipped for treatment. Our inspection conducted on 12/19/13 indicated that formalin was being recycled in the pathology department, but that alcohol and xylene were no longer being recycled. Clarify whether alcohol and xylene are no longer recycled at this facility, and if no longer recycled, indicate how that waste is being managed.

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-23-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following documents were received and ACCEPTED on CERS: -Business Activities -Business Owner/Operator -Chemical Inventory -Facility Site Map -Emergency Response & Training Plans

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-17-2018
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Eval Type: Routine done by local agency
Eval Notes: INSPECTOR COMMENTS: On site to witness monitoring system certification testing activities and to conduct routine UST inspection. Testing was conducted by Joseph Gonzalez of Fuel Pros. Tester certifications (VR, ICC) were verified. Certification stickers were attached to all tested components. Please submit the test reports to this Agency within 30 days. The facility has one double-walled tank (Diesel) monitored by a Veeder Root TLS-300 system. Tank is used as a back-up generator. Site uses a flapper valve for overfill prevention. Annular sensors and sump sensors alarmed properly (visual and audible) and shut down respective turbine when submerged in water for the Diesel tank. Fail-safe, sensor out and emergency shut off were tested and passed. Spill buckets were tested visually without any changes in water level. The following documents were available for review: Monitoring Plan, Leak Response Plan, Test Reports, Maintenance Records, DO Monthly Reports, [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-21-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed submission in e-Submit portal, and set status in portal to G DECLINED,G based on the following: 1) most fields on UST TANK INFORMATION form have not been completed, 2) can not review UST MONITORING PLAN without a completed UST TANK INFORMATION form. Other forms submitted also: 1 BUSINESS ACTIVITIES form: OK 2 BUSINESS OWNER-OP form: OK 3 UST FACILITY INFORMATION form: OK 4 UST TANK INFORMATION forms: Not OK, as most fields on form have not been completed. 05 CERT OF FIN RESP and CFO LETTER: OK G approved 9/10/2013 (9/06/2012 to 9/16/2013 is coverage period) 6 UST MONITORING PLAN: Can not review without completed UST TANK INFORMATION form. 7 MONITORING SITE PLAN: OK 8 UST RESPONSE PLAN: OK 9 OWNER STATEMENT - DO form: OK 10 OWNER-OP AGREEMENT: N/A

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-21-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received notification of monitoring cert. Put date on calendars. Ran Report 7800 for use at A01.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-21-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received notification of UST monitoring cert. Put date on calendar and expect to do A01 for Recycler. Ran Report 7800 for use at A01.

Eval Division: Orange County Environmental Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Eval Program:	HWRrecycler
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-23-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Talked to Dennis Rock on the phone to confirm monitoring system certification tomorrow and to learn where the UST is located at the hospital.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-24-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	prep for A01
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-04-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Regarding alcohol and xylene previously generated and recycled in Histology, the operator (Joe Brothman) stated on 2/3/14: I spoke with histology who detailed our chemical processes. We do recycle alcohol, xylene and formalin, but since we outsourced our histology, we mostly only deal with formalin and only rarely use alcohol or xylene. Our log, as detailed in the photo, does capture any time we recycle these chemicals. From our records we are using less of each chemical than previous years, and we have never been cited for needing a permit. If you would like to come take a look, I am available anytime this week.
Eval Division:	Orange County Environmental Health
Eval Program:	HWRrecycler
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-03-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	SB 989 retest notification
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-25-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed submission package on eSubmit Portal, DECLINED. Request for re-submittal this date. Please verify the vent Piping is actually secondarily contained. Please check ISOLATION for corrosion protection. Monitoring Plan please: Check box IV 1 Continuous

Map ID
Direction
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Elevation

MAP FINDINGS

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EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Electronic...; Uncheck box IV 2 Automatic Tank Gauging...; Check box V 1 Continuous Electronic... and Secondary Containment is a: DRY; & Check box V 5 Visual Pipe Monitoring; Uncheck box V 6 Suction Piping...; Check box VI 4 No dispensers. Please provide a plot plan with the entire piping run. For questions please contact Alvin Dong, adong@ochca.com 714 640 9358

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-16-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Print waste stream and review for inspection.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-17-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: ORANGE COUNTY GLOBAL MEDICAL CENTER New Corporation Change or Ownership: KPC HEALTHCARE, INC.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-11-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility has complied with 2016 HMBEP reporting requirements. Reviewed HMBEP submittal on E-submit. Package was declined and an email sent to the facility contact. The following corrections are needed: CHEMICAL INVENTORY Diesel G max daily amount must be at least the same as largest container//storage pressure is ambient Liquid Oxygen G add cryogenic to the fire code hazard classes//max daily amount must be equal to or larger than amount listed under largest container//add acute health to the federal hazard categories//storage temperature = cryogenic Xylene G complete largest container, average daily, max daily and days on site fiels SITE MAP Please add the following to your map: hazardous materials storage locations, building entrances and exits and storm drains and sewers.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-24-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: open HMBEP pages individually on e-Submit and print for later review.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Eval General Type:	Other/Unknown
Eval Date:	07-28-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Reviewed E-Submit submittal but could not save data (server down).
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-10-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	I reviewed a CFR form and a Designated Operator form submitted on our AgencyG s esubmit portal. Both the Designated Operator form and the CFR form were G Accepted.G
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-20-2018
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The following documentation has been received by this agency: -Overfill Prevention Equipment Inspection Report for test date 12/05/2018 The following components passed testing: -Flapper Valve Overfill prevention testing was required to be completed by 10/13/2018.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-28-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site for a routine hazardous waste inspection. Consent to enter and inspect granted by Robert Kessler. Observed the waste storage areas, perimeter of facility and trash containers. Containers of wastes are covered and labeled. Wastes include formalin, fuel, oily rags, oil, phenol, ethanol, acids, sodium hydroxide, labpack waste, and universal wastes. Manifests for waste disposal are available for review. Emergency response and spill procedures are available on site. Correct the violation within 30 days. Complete the attached CRC and return to this agency. .
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-30-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Monitor cert notification
Eval Division:	Orange County Environmental Health
Eval Program:	UST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-31-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: February 2015 submission DELETED Ownership change June 2015 current submission requires piping, monitoring plan & plot plan corrections.
For questions please contact Alvin Dong, adong@ochca.com 714 640 9358

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-31-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Most recent submittal is in E-Submit under the UST(PA) link. Deleted the submission dated 7/24/14 in the OC UST link.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-24-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: I was on site to conduct a routine inspection while a monitoring system certification is being performed by Dennis Rock Construction. The technician on site, Dana Rock, showed me his ICC UST Service Technician certification card with expiration date of 7/12/2015 and his Veeder-Root certified technician card with expiration date of 5/13/2014. A Veeder-Root TLS-300 monitoring system is in use here to monitor USTs. This facility has one UST, and it is used to supply diesel fuel to the emergency generator on site. The UST is double-walled, and fuel to drawn to the day tank of the emergency generator using a suction system. For overfill protection, a flapper valve is in the drop tube of the UST. All UST manhole covers to the UST system were opened by the technician and the following was observed: -No pooled liquid observed in sumps; -all sensors were located in the low point of sumps; -all secondary piping test boots within piping sumps and UDCG s were pulled back from [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-10-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-04-2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed status in portal, and since there was no entry for the history, I entered: "2013-09-10 I reviewed the CFR form submitted on our AgencyG s esubmit portal and the form was G Accepted.G "

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-08-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: HMBEP declined in E-Submit. The following notes were included in the review: "Provide an EPA ID# if you generate hazardous waste as indicated on the business activities page. Provide a mailing address for the business owner. For all materials, provide values for largest container, maximum daily amount, average daily amount, and days on site. Maximum daily amount should be greater than or equal to the largest container. Provide a correct CAS# for Diesel. Use 68476-34-6 or 68334-30-5. Change the hazardous material type to pure. Provide a CAS# for oxygen. Indicate that xylene is in the acute and chronic health federal hazard categories. Label the following on the site map: -Hazardous material storage and handling areas -Entrances and exits -Evacuation staging area Please contact Jonathan Alaniz at jalaniz@ochca.com with any questions."

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: A routine hazardous waste inspection of this facility was conducted today. Access to the facility was provided by Obie Graves, EVS Director, and Joe Brothman, Safety and Emergency Management. The following Departments were visited: - Medical Waste Final Storage Area - OC Burn Unit - Observation Unit - 6th FI Med Surg - 4th FI Med Surg - Labor/Deliver - NICU - C-Section OR - OR - ICU - CCU - Main Lab - Histology - Blood Unit - Microbiology - ER - Pharmacy. Note that this facility no longer provides Oncology Services - Chemo waste is not generated at this facility. - Morgue - Hazardous Waste Storage Area As discussed with the operator, the facility no longer generates chemotherapy waste since Oncology services are no longer offered at this location. RCRA hazardous waste containers though should be used to contain RCRA-defined hazardous waste that might otherwise be generated in the Pharmacy. Review the guidance documents to be via [Truncated]

Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-27-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Eval Notes:	The following documents have been received by this agency: - Monitoring System Certification Form (dated 1/16/2020) - Spill Container Testing Report Form (dated 1/16/2020) The following components were tested and PASSED: - Annular Space Sensor (1x VR-420) - Product Piping Sump Sensor (1x VR-205) - Filling Piping Sump Sensor (1x VR-205) - Spill Container (1x)
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-29-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The following documentation has been received by this agency: -Monitor System Certification for test date 01/17/2019 -Spill Container Testing Report for test date 01/17/2019 The following components passed testing: -Annular Sensor (x1) -Piping Sump Sensor (x1) -Spill Bucket (x1)
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-30-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Review CERS submittal - not accepted. Issue violation in A01 report.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-03-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Conversation with Safety Officer Joe Brothman today. Joe states that alcohol and xylene are recycled in Histology Department, but he will verify with histology staff person (Kelly) . Joe will email back with information regarding xylene and alcohol management.
Eval Division:	Orange County Environmental Health
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-04-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	reviewed history of my activities here and responded to email from supe.
Eval Division:	Orange County Environmental Health
Eval Program:	HWRecycler
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-04-2016
Violations Found:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Eval Type: Other, not routine, done by local agency
Eval Notes: Review HM submittal per conversation with Ron Kress regarding issues making changes in portal.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-18-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This Agency received a monitoring system certification dated 1/24/2014 for the Veeder-Root TLS 300-C1 monitoring system. The following equipment was certified to have been inspected/serviced in accordance with manufacturer's guidelines and was operational per manufacturer's specifications: in-tank gauging probes; annular space sensors; piping sump sensors; fill sump sensors; and, tank overflow/high level sensors. Also included was a spill bucket testing report form dated 1/24/2014 with results G PASS.G

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-10-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This agency received and reviewed the monitor certification and spill bucket tests dated 1/19/17. Section D of the report needs correction regarding pressurized piping systems. Please indicate "N/A" as this system uses suction piping. Also un-check all boxes in this area that do not apply. Make the necessary corrections and re-submit the report to this agency.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-16-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Print HM forms and review for inspection.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-12-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received email from Lorna Freeman for South Coast Global Medical who informed this Agency the Integrated Healthcare Holdings will be changing to KPC Health Care Inc and the DBA will change to Orange County Global Medical Center. Emailed Lorna Medical Waste Registration Forms for update of all 4 hospitals. Emailed HCA/Hendron and HCA/Nofal with new information. CUPA programs will need to be updated.

Eval Division: Orange County Environmental Health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-17-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	ORANGE COUNTY GLOBAL MEDICAL CENTER New Corporation Change or Ownership: KPC HEALTHCARE, INC.
Eval Division:	Orange County Environmental Health
Eval Program:	HWRecycler
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-17-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	ORANGE COUNTY GLOBAL MEDICAL CENTER New Corporation Change or Ownership: KPC HEALTHCARE, INC.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-15-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	I reviewed the CFR form submitted on our Agencys e-Submit portal and the form was Accepted. Coverage period is from 9/06/2013 to 9/06/2014.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-29-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	UST documents conditionally accepted in eSubmit Portal The following documents were received: UST Facility Page UST Tank Pages, 1 tank (D) Monitoring Plan Leak Response Plan Facility Diagram Monitoring system certification dated 1/22/16 Secondary containment test report dated 1/23/15 Certification of Financial Responsibility documents dated 1/19/16 Certification of Financial Responsibility documents for the coverage period of 1/19/16-1/19/17 Your UST submittal has been conditionally excepted to facilitate data transfer to the California Environmental Reporting System (CERS). Please corrected the following items once your data has been transferred to CERS. Monitoring Plan Section V G Please include the manufacturer of the leak sensor and put the model # in the right box. Any questions, please feel free to contact me at minh.le@ochca.com or 714-720-1327. Thank you. Minh Le.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-08-2016
Violations Found:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Eval Type: Other, not routine, done by local agency
Eval Notes: Received email from Ron Kress regarding his HMBEP submittal which he is working on correcting. Instructed Ron that the E-submit site has been closed down and he will not be able to make any changes to his information. HMBEP status is being changed in order to facilitate the movement of his data to CERS. All corrections previously noted will still be needed.

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-23-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Declined: UST Denied. Reviewed UST submission package on eSubmit Portal. Insufficient information for all elements. Submission DENIED. Request for re-submittal. Organized file, purged expired documents.

Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On this date the Recycling Unit in the Histology Department was reviewed. Currently only formalin waste is recycled at this facility - alcohol and xylene are no longer processed. A review of the current year's log shows that the maximum volume recycled was 32 liters of waste formalin. Facilities that recycle over 100 kg of waste are required to file a Hazardous Waste Recycler form each even numbered year. If this facility begins to recycle more than the 100 kg limit, contact me for more information of filing the form.

Eval Division: Orange County Environmental Health
Eval Program: HWRrecycler
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-19-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: A routine hazardous materials inspection of this facility was conducted today. Access to the facility was provided by Obie Graves, EVS Director, and Joe Brothman, Safety and Emergency Management. The following Departments were visited: - Medical Waste Final Storage Area - OC Burn Unit - Observation Unit - 6th FI Med Surg - 4th FI Med Surg - Labor/Deliver - NICU - C-Section OR - OR - ICU - CCU - Main Lab - Histology - Blood Unit - Microbiology - ER - Pharmacy. Note that this facility no longer provides Oncology Services - Chemo waste is not generated at this facility. - Morgue - Hazardous Waste Storage Area Training documents and the Business Emergency Plan (BEP) were reviewed. The current BEP lists diesel, Oxygen, and xylene as part of the hazardous material disclosure. Although most chemical amounts are below the normal thresholds of 55 gallons, 500 pounds, or 200 cubic feet (or else otherwise excluded), review the list of Extremely Hazardous [Truncated]

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Coordinates:

Site ID: 413556
Facility Name: ORANGE COUNTY GLOBAL MEDICAL CENTER
Env Int Type Code: HMBP
Program ID: 10558528
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.753160
Longitude: -117.834160

Affiliation:

Affiliation Type Desc: Document Preparer
Entity Name: Ronald Kress
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Ronald Kress
Entity Title: Lead Engineer
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer Road Suite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6406

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1001 N TUSTIN AVE
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Entity Name: KPC Healthcare Inc
Entity Title: Not reported
Affiliation Address: 1301 N. Tustin Ave.
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92705
Affiliation Phone: (714) 953-3652

Affiliation Type Desc: Parent Corporation
Entity Name: Western Medical Center Anaheim
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Permit Applicant
Entity Name: Robert Kessler
Entity Title: Dir. Facilities
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (714) 953-3641

Affiliation Type Desc: UST Property Owner Name
Entity Name: KPC HEALTH
Entity Title: Not reported
Affiliation Address: 1301 N. Tustin
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92705
Affiliation Phone: (714) 953-3641

Affiliation Type Desc: Environmental Contact
Entity Name: Kyle Houraney
Entity Title: Not reported
Affiliation Address: 1001 N. Tustin Ave
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705
Affiliation Phone: Not reported

Affiliation Type Desc: UST Tank Owner
Entity Name: KPC HEALTH
Entity Title: Not reported
Affiliation Address: 1301 N. Tustin Ave
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92705

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Affiliation Phone: (714) 953-3641

Affiliation Type Desc: Operator
Entity Name: KPC Healthcare Inc
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (714) 953-3500

Affiliation Type Desc: UST Tank Operator
Entity Name: Kyle Houraney
Entity Title: Not reported
Affiliation Address: 1001 N. Tustin Ave
Affiliation City: Santa Ana
Affiliation State: Not reported
Affiliation Country: United States
Affiliation Zip: 92705
Affiliation Phone: (714) 953-3480

HWTS:

Name: WESTERN MEDICAL CENTER SANTA ANA
Address: 1001 N TUSTIN AVE
Address 2: Not reported
City,State,Zip: SANTA ANA, CA 92705
EPA ID: CAL000292871
Inactive Date: 06/30/2006
Create Date: 04/06/2005
Last Act Date: 05/25/2007
Mailing Name: Not reported
Mailing Address: 1001 N TUSTIN AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: SANTA ANA, CA 92705
Owner Name: WMC-SA, INC
Owner Address: 1001 N TUSTIN AVE
Owner Address 2: Not reported
Owner City,State,Zip: SANTA ANA, CA 92705
Contact Name: KIRK BRANTLEY
Contact Address: 1001 N TUSTIN AVE
Contact Address 2: Not reported
City,State,Zip: SANTA ANA, CA 92705

NAICS:

EPA ID: CAL000292871
Create Date: 2005-04-06 14:20:32.033
NAICS Code: 62211
NAICS Description: General Medical and Surgical Hospitals
Issued EPA ID Date: 2005-04-06 14:20:31.98700
Inactive Date: 2006-06-30 10:14:52
Facility Name: WESTERN MEDICAL CENTER SANTA ANA
Facility Address: 1001 N TUSTIN AVE
Facility Address 2: Not reported
Facility City: SANTA ANA
Facility County: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN MEDICAL CENTER SANTA ANA (Continued)

1000403038

Facility State: CA
Facility Zip: 92705

Name: ORANGE COUNTY GLOBAL MEDICAL CENTER
Address: 1001 N TUSTIN AVE
Address 2: Not reported
City,State,Zip: SANTA ANA, CA 927053502
EPA ID: CAL000316673
Inactive Date: Not reported
Create Date: 02/21/2007
Last Act Date: 09/11/2020
Mailing Name: Not reported
Mailing Address: 1001 N TUSTIN AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: SANTA ANA, CA 927053502
Owner Name: KPC HEALTH
Owner Address: 1301 N TUSTIN AVE
Owner Address 2: Not reported
Owner City,State,Zip: SANTA ANA, CA 927058619
Contact Name: KYLE HOURANEY
Contact Address: 1001 NORTH TUSTIN AVE
Contact Address 2: Not reported
City,State,Zip: SANTA ANA, CA 92705

NAICS:
EPA ID: CAL000316673
Create Date: 2007-02-21 11:33:02.947
NAICS Code: 62211
NAICS Description: General Medical and Surgical Hospitals
Issued EPA ID Date: 2007-02-21 11:33:02.86700
Inactive Date: Not reported
Facility Name: ORANGE COUNTY GLOBAL MEDICAL CENTER
Facility Address: 1001 N TUSTIN AVE
Facility Address 2: Not reported
Facility City: SANTA ANA
Facility County: Not reported
Facility State: CA
Facility Zip: 927053502

77
WSW
1/2-1
0.665 mi.
3511 ft.

RAYMOND VILLA SCHOOL
1441 EAST CHESTNUT AVENUE
SANTA ANA, CA 92701

ENVIROSTOR **S102799355**
SCH **N/A**
CERS

Relative:
Lower
Actual:
124 ft.

ENVIROSTOR:
Name: RAYMOND VILLA SCHOOL
Address: 1441 EAST CHESTNUT AVENUE
City,State,Zip: SANTA ANA, CA 92701-6318
Facility ID: 30360188
Status: Refer: RCRA
Status Date: 08/12/2002
Site Code: 404183
Site Type: School Investigation
Site Type Detailed: School
Acres: 10

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYMOND VILLA SCHOOL (Continued)

S102799355

NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: * Triss Chesney
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 69
Senate: 34
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.74273
Longitude: -117.8493
APN: NONE SPECIFIED
Past Use: MANUFACTURING - ELECTRONIC
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: EECO
Alias Type: Alternate Name
Alias Name: EECOINC
Alias Type: Alternate Name
Alias Name: ENGINEERED ELECTRONICS CO
Alias Type: Alternate Name
Alias Name: RAYMOND VILLA SCHOOL (PROPOSED)
Alias Type: Alternate Name
Alias Name: SANTA ANA SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: SANTA ANA USD/RAY VILLA INTER. SCHOOL
Alias Type: Alternate Name
Alias Name: CAD008256349
Alias Type: EPA Identification Number
Alias Name: 404183
Alias Type: Project Code (Site Code)
Alias Name: 30360188
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Workplan
Completed Date: 04/04/2007
Comments: Finalize, discuss with Peter Garcia, Get peters signature, send the comment letter for the workplan out

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Name: EECOINC
Address: 1441 E CHESTNUT AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYMOND VILLA SCHOOL (Continued)

S102799355

City,State,Zip: SANTA ANA, CA 927010000
Facility ID: 80001539
Status: Active
Status Date: 01/01/2008
Site Code: 400216
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 10
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Harold (Bud) Duke
Supervisor: Jose Salcedo
Division Branch: Northern California Schools & Santa Susana
Assembly: 69
Senate: 34
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.74281
Longitude: -117.8489
APN: 011-154-41
Past Use: MANUFACTURING - ELECTRONIC
Potential COC: 1,1,2-Trichloroethane
Confirmed COC: 1,1,2-Trichloroethane
Potential Description: OTH
Alias Name: RAYMOND VILLA SCHOOL
Alias Type: Alternate Name
Alias Name: 011-154-41
Alias Type: APN
Alias Name: CAD008256349
Alias Type: EPA Identification Number
Alias Name: SLT8R1304082
Alias Type: GeoTracker Global ID
Alias Name: 400216
Alias Type: Project Code (Site Code)
Alias Name: 30360188
Alias Type: Envirostor ID Number
Alias Name: 80001539
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 07/13/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 10/27/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYMOND VILLA SCHOOL (Continued)

S102799355

Completed Date: 07/09/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 07/08/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 09/13/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Form 1479 - Site and Collections Summary
Completed Date: 04/15/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/15/2015
Comments: completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 05/22/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/12/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/16/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/29/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/10/2014
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYMOND VILLA SCHOOL (Continued)

S102799355

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/10/2012
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/04/2013
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/07/2013
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/13/2013
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/10/2016
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 05/17/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 01/15/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Report
Completed Date: 04/15/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 05/17/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measure Implementation Workplan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYMOND VILLA SCHOOL (Continued)

S102799355

Completed Date: 04/15/2014
Comments: Facility Disputes DTSC findings.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 01/27/2000
Comments: Added per RR 1/31/07. lh

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 01/27/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 07/09/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 01/23/2004
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedy Selection and Statement of Basis
Schedule Due Date: 02/28/2019
Schedule Revised Date: Not reported

SCH:

Name: RAYMOND VILLA SCHOOL
Address: 1441 EAST CHESTNUT AVENUE
City,State,Zip: SANTA ANA, CA 92701-6318
Facility ID: 30360188
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 10
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: * Triss Chesney
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404183
Assembly: 69
Senate: 34

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYMOND VILLA SCHOOL (Continued)

S102799355

Special Program Status: Not reported
Status: Refer: RCRA
Status Date: 08/12/2002
Restricted Use: NO
Funding: School District
Latitude: 33.74273
Longitude: -117.8493
APN: NONE SPECIFIED
Past Use: MANUFACTURING - ELECTRONIC
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: EECO
Alias Type: Alternate Name
Alias Name: EECOINC
Alias Type: Alternate Name
Alias Name: ENGINEERED ELECTRONICS CO
Alias Type: Alternate Name
Alias Name: RAYMOND VILLA SCHOOL (PROPOSED)
Alias Type: Alternate Name
Alias Name: SANTA ANA SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: SANTA ANA USD/RAY VILLA INTER. SCHOOL
Alias Type: Alternate Name
Alias Name: CAD008256349
Alias Type: EPA Identification Number
Alias Name: 404183
Alias Type: Project Code (Site Code)
Alias Name: 30360188
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Workplan
Completed Date: 04/04/2007
Comments: Finalize, discuss with Peter Garcia, Get peters signature, send the comment letter for the workplan out

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS:

Name: RAYMOND VILLA SCHOOL
Address: 1441 EAST CHESTNUT AVENUE
City,State,Zip: SANTA ANA, CA 92701-6318
Site ID: 342058
CERS ID: 30360188
CERS Description: School Investigation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYMOND VILLA SCHOOL (Continued)

S102799355

Affiliation:

Affiliation Type Desc:	Supervisor
Entity Name:	* Triss Chesney
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Name:	EEOINC
Address:	1441 E CHESTNUT AVE
City,State,Zip:	SANTA ANA, CA 927010000
Site ID:	230413
CERS ID:	CAD008256349
CERS Description:	Hazardous Waste

Affiliation:

Affiliation Type Desc:	Supervisor
Entity Name:	JOSE SALCEDO
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Contact
Entity Name:	EEO INCORPORATED
Entity Title:	Not reported
Affiliation Address:	1601 E CHESTNUT AVE
Affiliation City:	SANTA ANA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	927010000
Affiliation Phone:	7148356000

Affiliation Type Desc:	Lead Project Manager
Entity Name:	HAROLD (BUD) DUKE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	SACRAMENTO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Owner
Entity Name:	EEO INCORPORATED
Entity Title:	Not reported
Affiliation Address:	1601 E CHESTNUT AVE
Affiliation City:	SANTA ANA
Affiliation State:	CA
Affiliation Country:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RAYMOND VILLA SCHOOL (Continued)

S102799355

Affiliation Zip: 927010000
Affiliation Phone: 7148356000

Name: EECOINC
Address: 1441 E CHESTNUT AVE
City,State,Zip: SANTA ANA, CA 927010000
Site ID: 230413
CERS ID: 80001539
CERS Description: Corrective Action

Affiliation:

Affiliation Type Desc: Supervisor
Entity Name: JOSE SALCEDO
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Contact
Entity Name: EECO INCORPORATED
Entity Title: Not reported
Affiliation Address: 1601 E CHESTNUT AVE
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 927010000
Affiliation Phone: 7148356000

Affiliation Type Desc: Lead Project Manager
Entity Name: HAROLD (BUD) DUKE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: SACRAMENTO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Owner
Entity Name: EECO INCORPORATED
Entity Title: Not reported
Affiliation Address: 1601 E CHESTNUT AVE
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 927010000
Affiliation Phone: 7148356000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

78
South
1/2-1
0.724 mi.
3821 ft.

Relative:
Lower

Actual:
109 ft.

QUICK QUALITY CLEANERS
16795 MCFADDEN AVE
TUSTIN, CA 92780

RCRA-SQG
ENVIROSTOR
Orange Co. Industrial Site
FINDS
ECHO
DRYCLEANERS
HWTS

1000172904
CAD981620404

RCRA-SQG:

Date Form Received by Agency:	1996-09-01 00:00:00.0
Handler Name:	QUICK QUALITY CLEANERS
Handler Address:	16795 MCFADDEN AVE
Handler City,State,Zip:	TUSTIN, CA 92780
EPA ID:	CAD981620404
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4
Mailing Address:	16795 MCFADDEN AVE
Mailing City,State,Zip:	TUSTIN, CA 92780
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRM Permit Baseline:	Not on the Baseline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

QUICK QUALITY CLEANERS (Continued)

1000172904

2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:26:52.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	YOUNG H KM
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

QUICK QUALITY CLEANERS (Continued)

1000172904

Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1996-09-01 00:00:00.0
Handler Name: QUICK QUALITY CLEANERS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1987-02-13 00:00:00.0
Handler Name: QUICK QUALITY CLEANERS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 81232
NAICS Description: DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

ENVIROSTOR:

Name: QUICK QUALITY CLEANERS
Address: 16795 E. MCFADDEN AVENUE
City,State,Zip: TUSTIN, CA 92780
Facility ID: 30720008
Status: Refer: 1248 Local Agency
Status Date: 03/06/2001
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

QUICK QUALITY CLEANERS (Continued)

1000172904

Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 68
Senate: 37
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.73422
Longitude: -117.8364
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 30720008
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 03/06/2001
Comments: SB 1248 Orange County

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Orange Co. Industrial Site:

Name: QUICK QUALITY CLEANERS
Address: 16795 E MCFADDEN AVE
City,State,Zip: TUSTIN, CA 92780
Case ID: 01IC008
Record ID: RO0000060
Current Status: CLOSED 5/10/2001
Closure Type: Closure certification issued
Released Chemical: PERCHLOROETHYLENE

FINDS:

Registry ID: 110006471978

[Click Here:](#)

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

QUICK QUALITY CLEANERS (Continued)

1000172904

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000172904
Registry ID: 110006471978
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110006471978>
Name: QUICK QUALITY CLEANERS
Address: 16795 MCFADDEN AVE
City,State,Zip: TUSTIN, CA 92780

DRYCLEAN SOUTH COAST:

Name: QUICK QUALITY CLEANERS
Address: 16795 MCFADDEN AVE
City,State,Zip: TUSTIN, CA 92780
Facility ID: 17398
Application Number: 102458
Permit Number: M28953
Status: A
Representative Name: Not reported
Representative Telephone: Not reported
Permit Status: INACTIVE
BCAT Number: 000234
BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number: 04
CCAT Description: VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East: 422.61199951
UTM North: 3732.7619629

Name: QUICK QUALITY CLEANERS
Address: 16795 MCFADDEN AVE
City,State,Zip: TUSTIN, CA 92780
Facility ID: 17398
Application Number: 346447
Permit Number: F17677
Status: A
Representative Name: Not reported
Representative Telephone: Not reported
Permit Status: INACTIVE
BCAT Number: 000601
BCAT Description: DRY CLEANING, DRY-TO-DRY NON-VENT, PERC
CCAT Number: 04
CCAT Description: VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East: 422.61199951
UTM North: 3732.7619629

DRYCLEANERS:

Name: QUICK QUALITY CLEANERS
Address: 16795 E MCFADDEN AVE
City,State,Zip: TUSTIN, CA 926800000
EPA Id: CAL000002558
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 11/14/1989

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

QUICK QUALITY CLEANERS (Continued)

1000172904

Facility Active: No
Inactive Date: 06/30/2005
Facility Addr2: Not reported
Owner Name: YOUNG KIM
Owner Address: 27042 IRONWOOD DRIVE
Owner Address 2: Not reported
Owner Telephone: 9493671692
Contact Name: YOUNG H. KIM-OWNER
Contact Address: 16795 MCFADDEN AVE # E
Contact Address 2: Not reported
Contact Telephone: 7145431444
Mailing Name: Not reported
Mailing Address 1: 16795 EAST MCFADDEN AVE
Mailing Address 2: Not reported
Mailing City: TUSTIN
Mailing State: CA
Mailing Zip: 927800000
Owner Fax: Not reported
Region Code: 4

Name: QUICK QUALITY CLEANERS
Address: 16795 MCFADDEN AVE
City,State,Zip: TUSTIN, CA 927804930
EPA Id: CAD981620404
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 07/03/1987
Facility Active: No
Inactive Date: 06/30/2006
Facility Addr2: Not reported
Owner Name: HUNG MINH VU
Owner Address: 16795 MCFADDEN AVE
Owner Address 2: Not reported
Owner Telephone: 7145431444
Contact Name: HUNG MINH VU
Contact Address: 16795 MCFADDEN AVE
Contact Address 2: Not reported
Contact Telephone: 7145431444
Mailing Name: Not reported
Mailing Address 1: 16795 MCFADDEN AVE
Mailing Address 2: Not reported
Mailing City: TUSTIN
Mailing State: CA
Mailing Zip: 926804930
Owner Fax: Not reported
Region Code: 4

HWTS:

Name: QUICK QUALITY CLEANERS
Address: 16795 MCFADDEN AVE
Address 2: Not reported
City,State,Zip: TUSTIN, CA 927804930
EPA ID: CAD981620404
Inactive Date: 06/30/2006
Create Date: 07/03/1987

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

QUICK QUALITY CLEANERS (Continued)

1000172904

Last Act Date: 08/02/2006
Mailing Name: Not reported
Mailing Address: 16795 MCFADDEN AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: TUSTIN, CA 926804930
Owner Name: HUNG MINH VU
Owner Address: 16795 MCFADDEN AVE
Owner Address 2: Not reported
Owner City,State,Zip: TUSTIN, CA 926804930
Contact Name: HUNG MINH VU
Contact Address: 16795 MCFADDEN AVE
Contact Address 2: Not reported
City,State,Zip: TUSTIN, CA 926804930

NAICS:
EPA ID: CAD981620404
Create Date: 2005-07-08 14:25:45.610
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
Issued EPA ID Date: 1987-07-03 00:00:00
Inactive Date: 2006-06-30 00:00:00
Facility Name: QUICK QUALITY CLEANERS
Facility Address: 16795 MCFADDEN AVE
Facility Address 2: Not reported
Facility City: TUSTIN
Facility County: Not reported
Facility State: CA
Facility Zip: 927804930

79
WNW
1/2-1
0.777 mi.
4100 ft.

REMINGTON ELEMENTARY REDEVELOPMENT
1325 EAST FOURTH STREET
SANTA ANA, CA 92701

ENVIROSTOR **S105628711**
SCH **N/A**
CERS

Relative:
Higher

Actual:
138 ft.

ENVIROSTOR:
Name: REMINGTON ELEMENTARY REDEVELOPMENT
Address: 1325 EAST FOURTH STREET
City,State,Zip: SANTA ANA, CA 92701
Facility ID: 30820004
Status: Inactive - Needs Evaluation
Status Date: 09/12/2005
Site Code: 404321
Site Type: School Investigation
Site Type Detailed: School
Acres: 4
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: * Triss Chesney
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 69
Senate: 34
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REMINGTON ELEMENTARY REDEVELOPMENT (Continued)

S105628711

Funding: School District
Latitude: 33.74332
Longitude: -117.8467
APN: NONE SPECIFIED
Past Use: * EDUCATIONAL SERVICES
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: REMINGTON ELEMENTARY REDEVELOPMENT
Alias Type: Alternate Name
Alias Name: SANTA ANA UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: SANTA ANA USD-REMINGTON ELEM REDVELOPMNT
Alias Type: Alternate Name
Alias Name: 404321
Alias Type: Project Code (Site Code)
Alias Name: 30820004
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 09/01/2002
Comments: approved wp

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 07/14/2003
Comments: DTSC issued an inactive status letter on November 4, 2002 indicating DTSC would close out the project if a revised schedule for future activities was not received. DTSC received verbal notification in March 2003, from the Santa Ana Unified School District that the project would likely not be active until September or October 2003.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/27/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/12/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 07/23/2002
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REMINGTON ELEMENTARY REDEVELOPMENT (Continued)

S105628711

Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: REMINGTON ELEMENTARY REDEVELOPMENT
Address: 1325 EAST FOURTH STREET
City,State,Zip: SANTA ANA, CA 92701
Facility ID: 30820004
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 4
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: * Triss Chesney
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404321
Assembly: 69
Senate: 34
Special Program Status: Not reported
Status: Inactive - Needs Evaluation
Status Date: 09/12/2005
Restricted Use: NO
Funding: School District
Latitude: 33.74332
Longitude: -117.8467
APN: NONE SPECIFIED
Past Use: * EDUCATIONAL SERVICES
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: REMINGTON ELEMENTARY REDEVELOPMENT
Alias Type: Alternate Name
Alias Name: SANTA ANA UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: SANTA ANA USD-REMINGTON ELEM REDVELOPMNT
Alias Type: Alternate Name
Alias Name: 404321
Alias Type: Project Code (Site Code)
Alias Name: 30820004
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 09/01/2002
Comments: approved wp

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REMINGTON ELEMENTARY REDEVELOPMENT (Continued)

S105628711

Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 07/14/2003
Comments: DTSC issued an inactive status letter on November 4, 2002 indicating DTSC would close out the project if a revised schedule for future activities was not received. DTSC received verbal notification in March 2003, from the Santa Ana Unified School District that the project would likely not be active until September or October 2003.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/27/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/12/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 07/23/2002
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS:

Name: REMINGTON ELEMENTARY
Address: 1325 EAST FOURTH STREET
City,State,Zip: SANTA ANA, CA 92701
Site ID: 342141
CERS ID: 30820004
CERS Description: School Investigation

Affiliation:

Affiliation Type Desc: Supervisor
Entity Name: * Triss Chesney
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

80
South
1/2-1
0.820 mi.
4327 ft.

XEROX CORPORATION
2200 MCFADDEN AVENUE
SANTA ANA, CA 92707

ENVIROSTOR
CPS-SLIC

S110121718
N/A

Relative:
Lower

Actual:
108 ft.

ENVIROSTOR:

Name: XEROX CORPORATION FACILITY
Address: 2200 EAST MCFADDEN STREET
City,State,Zip: SANTA ANA, CA 92075
Facility ID: 60001237
Status: No Further Action
Status Date: 02/11/2009
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 8
NPL: NO
Regulatory Agencies: SMBRP, CITY OF SANTA ANA
Lead Agency: CITY OF SANTA ANA
Program Manager: Poonam Acharya
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 69
Senate: 34
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.73381
Longitude: -117.8358
APN: NONE SPECIFIED
Past Use: MANUFACTURING - ELECTRONIC
Potential COC: Tetrachloroethylene (PCE) Trichloroethylene (TCE)
Confirmed COC: Tetrachloroethylene (PCE) Trichloroethylene (TCE)
Potential Description: OTH, SOIL
Alias Name: 60001237
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Reassessment
Completed Date: 02/11/2009
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:

Name: XEROX CORPORATION
Address: 2200 MCFADDEN AVENUE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

XEROX CORPORATION (Continued)

S110121718

City,State,Zip: SANTA ANA, CA 92707
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 02/05/2003
Global Id: SLT8R2724143
Lead Agency: SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number: Not reported
Latitude: 33.731906345747
Longitude: -117.83510684967
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: SLT8R272
File Location: Not reported
Potential Media Affected: Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern: Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE), Trichloroethylene (TCE)
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

81
SW
1/2-1
0.839 mi.
4432 ft.

BREAK-FREE, INC
1035 S LINWOOD AVE
SANTA ANA, CA 92705

ENVIROSTOR **S108225540**
Orange Co. Industrial Site **N/A**

Relative:
Lower

ENVIROSTOR:
Name: BREAK-FREE, INC.
Address: 1035 S. LINWOOD AVENUE
City,State,Zip: SANTA ANA, CA 92705
Facility ID: 30280535
Status: Refer: 1248 Local Agency
Status Date: 03/15/2000
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: ORANGE COUNTY
Lead Agency: ORANGE COUNTY
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 69
Senate: 34
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.73589
Longitude: -117.8478
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 30280535

Actual:
111 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BREAK-FREE, INC (Continued)

S108225540

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: SB 1248 Notification

Completed Date: 03/10/2000

Comments: DTSC is not involved with this project.

Future Area Name: Not reported

Future Sub Area Name: Not reported

Future Document Type: Not reported

Future Due Date: Not reported

Schedule Area Name: Not reported

Schedule Sub Area Name: Not reported

Schedule Document Type: Not reported

Schedule Due Date: Not reported

Schedule Revised Date: Not reported

Orange Co. Industrial Site:

Name: BREAK-FREE, INC

Address: 1035 S LINWOOD AVE

City,State,Zip: SANTA ANA, CA 92705

Case ID: 00IC006

Record ID: RO0000025

Current Status: CLOSED 3/5/2001

Closure Type: Closure certification issued

Released Chemical: SOLVENTS HALOGENATED

82
WNW
1/2-1
0.910 mi.
4807 ft.

ORANGE COUNTY REGISTER THE
625 N. GRAND AVENUE
SANTA ANA, CA 92701

ENVIROSTOR
LUST
S103667318
N/A

Relative:
Higher
Actual:
144 ft.

ENVIROSTOR:

Name: ORANGE COUNTY REGISTER THE

Address: 625 N. GRAND AVENUE

City,State,Zip: SANTA ANA, CA 92701

Facility ID: 71002942

Status: Inactive - Needs Evaluation

Status Date: Not reported

Site Code: Not reported

Site Type: Tiered Permit

Site Type Detailed: Tiered Permit

Acres: Not reported

NPL: NO

Regulatory Agencies: NONE SPECIFIED

Lead Agency: NONE SPECIFIED

Program Manager: Not reported

Supervisor: Not reported

Division Branch: Cleanup Cypress

Assembly: 69

Senate: 34

Special Program: Not reported

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED

Funding: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ORANGE COUNTY REGISTER THE (Continued)

S103667318

Latitude: 33.75085
Longitude: -117.8515
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD981984792
Alias Type: EPA Identification Number
Alias Name: 110001178172
Alias Type: EPA (FRS #)
Alias Name: 71002942
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:

Name: ORANGE COUNTY REGISTER
Address: 625 N GRAND AVE
City,State,Zip: SANTA ANA, CA 92707
Lead Agency: SANTA ANA RWQCB (REGION 8)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605902123
Global Id: T0605902123
Latitude: 33.750974857
Longitude: -117.8511309
Status: Completed - Case Closed
Status Date: 02/24/2014
Case Worker: CAB
RB Case Number: 083003109T
Local Agency: SANTA ANA, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0605902123
Contact Type: Regional Board Caseworker
Contact Name: CARL BERNHARDT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ORANGE COUNTY REGISTER THE (Continued)

S103667318

City: RIVERSIDE
Email: carl.bernhardt@waterboards.ca.gov
Phone Number: 9517824495

Global Id: T0605902123
Contact Type: Local Agency Caseworker
Contact Name: CHRISTOPHER CIRAULO
Organization Name: SANTA ANA, CITY OF
Address: 1439 S. BROADWAY
City: SANTA ANA
Email: cciraulo@santa-ana.org
Phone Number: Not reported

LUST:

Global Id: T0605902123
Action Type: ENFORCEMENT
Date: 12/12/2007
Action: Meeting

Global Id: T0605902123
Action Type: ENFORCEMENT
Date: 08/06/2012
Action: Staff Letter

Global Id: T0605902123
Action Type: ENFORCEMENT
Date: 02/08/2013
Action: Staff Letter

Global Id: T0605902123
Action Type: RESPONSE
Date: 10/30/2005
Action: Soil and Water Investigation Report

Global Id: T0605902123
Action Type: Other
Date: 12/15/1997
Action: Leak Reported

Global Id: T0605902123
Action Type: RESPONSE
Date: 10/30/2005
Action: Monitoring Report - Quarterly

Global Id: T0605902123
Action Type: ENFORCEMENT
Date: 04/30/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0605902123
Action Type: ENFORCEMENT
Date: 01/13/2014
Action: Staff Letter

Global Id: T0605902123
Action Type: RESPONSE
Date: 05/30/2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ORANGE COUNTY REGISTER THE (Continued)

S103667318

Action:	CAP/RAP - Other Report
Global Id:	T0605902123
Action Type:	ENFORCEMENT
Date:	08/31/2009
Action:	Verbal Enforcement
Global Id:	T0605902123
Action Type:	RESPONSE
Date:	07/30/2007
Action:	Other Report / Document
Global Id:	T0605902123
Action Type:	RESPONSE
Date:	11/15/2002
Action:	Monitoring Report - Quarterly
Global Id:	T0605902123
Action Type:	ENFORCEMENT
Date:	02/24/2014
Action:	Closure/No Further Action Letter
Global Id:	T0605902123
Action Type:	ENFORCEMENT
Date:	03/15/2005
Action:	Staff Letter
Global Id:	T0605902123
Action Type:	ENFORCEMENT
Date:	05/04/2011
Action:	File review
Global Id:	T0605902123
Action Type:	ENFORCEMENT
Date:	05/13/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0605902123
Action Type:	RESPONSE
Date:	03/09/2010
Action:	CAP/RAP - Other Report
Global Id:	T0605902123
Action Type:	ENFORCEMENT
Date:	04/12/2007
Action:	Staff Letter
Global Id:	T0605902123
Action Type:	ENFORCEMENT
Date:	09/02/2005
Action:	Staff Letter
Global Id:	T0605902123
Action Type:	ENFORCEMENT
Date:	05/26/2006
Action:	Meeting

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ORANGE COUNTY REGISTER THE (Continued)

S103667318

Global Id:	T0605902123
Action Type:	ENFORCEMENT
Date:	06/09/2011
Action:	Staff Letter
Global Id:	T0605902123
Action Type:	ENFORCEMENT
Date:	11/12/2010
Action:	Verbal Enforcement
Global Id:	T0605902123
Action Type:	RESPONSE
Date:	02/07/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0605902123
Action Type:	RESPONSE
Date:	02/28/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0605902123
Action Type:	RESPONSE
Date:	04/30/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0605902123
Action Type:	RESPONSE
Date:	06/14/2003
Action:	Soil and Water Investigation Workplan
Global Id:	T0605902123
Action Type:	RESPONSE
Date:	12/09/2003
Action:	Other Report / Document
Global Id:	T0605902123
Action Type:	ENFORCEMENT
Date:	02/26/2008
Action:	Staff Letter
Global Id:	T0605902123
Action Type:	Other
Date:	12/10/1997
Action:	Leak Discovery
Global Id:	T0605902123
Action Type:	RESPONSE
Date:	07/30/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0605902123
Action Type:	RESPONSE
Date:	10/30/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0605902123
Action Type:	RESPONSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ORANGE COUNTY REGISTER THE (Continued)

S103667318

Date:	08/28/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0605902123
Action Type:	RESPONSE
Date:	11/01/2013
Action:	Request for Closure - Regulator Responded
Global Id:	T0605902123
Action Type:	RESPONSE
Date:	07/24/2013
Action:	Remedial Progress Report - Regulator Responded
Global Id:	T0605902123
Action Type:	ENFORCEMENT
Date:	07/13/2001
Action:	Notice of Violation
Global Id:	T0605902123
Action Type:	RESPONSE
Date:	04/30/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0605902123
Action Type:	RESPONSE
Date:	01/30/2005
Action:	Soil and Water Investigation Workplan
Global Id:	T0605902123
Action Type:	RESPONSE
Date:	01/12/2008
Action:	Other Workplan
Global Id:	T0605902123
Action Type:	RESPONSE
Date:	01/30/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0605902123
Action Type:	REMEDIATION
Date:	01/01/2004
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0605902123
Action Type:	REMEDIATION
Date:	12/01/1997
Action:	Excavation
Global Id:	T0605902123
Action Type:	REMEDIATION
Date:	10/19/2009
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0605902123
Action Type:	ENFORCEMENT
Date:	02/19/2003
Action:	Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ORANGE COUNTY REGISTER THE (Continued)

S103667318

Global Id: T0605902123
Action Type: ENFORCEMENT
Date: 12/08/2003
Action: * Verbal Communication

Global Id: T0605902123
Action Type: ENFORCEMENT
Date: 04/12/2004
Action: * Verbal Communication

Global Id: T0605902123
Action Type: ENFORCEMENT
Date: 11/07/2013
Action: Notification - Public Notice of Case Closure

Global Id: T0605902123
Action Type: RESPONSE
Date: 10/30/2004
Action: Monitoring Report - Quarterly

Global Id: T0605902123
Action Type: RESPONSE
Date: 04/30/2005
Action: Monitoring Report - Quarterly

Global Id: T0605902123
Action Type: RESPONSE
Date: 07/30/2005
Action: Monitoring Report - Quarterly

Global Id: T0605902123
Action Type: RESPONSE
Date: 01/30/2006
Action: Monitoring Report - Quarterly

Global Id: T0605902123
Action Type: RESPONSE
Date: 08/16/2005
Action: Soil and Water Investigation Workplan

Global Id: T0605902123
Action Type: RESPONSE
Date: 08/01/2011
Action: Other Workplan

LUST:

Global Id: T0605902123
Status: Open - Case Begin Date
Status Date: 12/10/1997

Global Id: T0605902123
Status: Open - Site Assessment
Status Date: 12/10/1997

Global Id: T0605902123
Status: Open - Site Assessment
Status Date: 06/29/1998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ORANGE COUNTY REGISTER THE (Continued)

S103667318

Global Id: T0605902123
Status: Open - Site Assessment
Status Date: 07/31/1998

Global Id: T0605902123
Status: Open - Site Assessment
Status Date: 06/04/2003

Global Id: T0605902123
Status: Open - Site Assessment
Status Date: 01/20/2005

Global Id: T0605902123
Status: Open - Verification Monitoring
Status Date: 01/20/2005

Global Id: T0605902123
Status: Open - Remediation
Status Date: 10/19/2009

Global Id: T0605902123
Status: Open - Remediation
Status Date: 10/27/2009

Global Id: T0605902123
Status: Open - Verification Monitoring
Status Date: 07/15/2013

Global Id: T0605902123
Status: Open - Eligible for Closure
Status Date: 10/15/2013

Global Id: T0605902123
Status: Completed - Case Closed
Status Date: 02/24/2014

83
North
1/2-1
0.988 mi.
5218 ft.

FORMER DRY CLEANER, SANTA ANA, CALIFORNIA
NORTHEAST CORNER 17TH AND TUSTIN AVENUE
SANTA ANA, CA 92705

ENVIROSTOR
VCP

S118466267
N/A

Relative:
Higher
Actual:
174 ft.

ENVIROSTOR:
Name: FORMER DRY CLEANER, SANTA ANA, CALIFORNIA
Address: NORTHEAST CORNER 17TH AND TUSTIN AVENUE
City,State,Zip: SANTA ANA, CA 92705
Facility ID: 60001948
Status: Active
Status Date: 11/18/2013
Site Code: 401659
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 1.77
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Scarlett Zhai

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER DRY CLEANER, SANTA ANA, CALIFORNIA (Continued)

S118466267

Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 69
Senate: 34
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.75961
Longitude: -117.8338
APN: 396-312-04, 396-312-05, 396-312-07, 396-312-08, 396-312-09
Past Use: DRY CLEANING
Potential COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description: SOIL, UE
Alias Name: Former Dry Cleaner
Alias Type: Alternate Name
Alias Name: IN-N-OUT (NORTHEAST CORNER 17TH AND TUSTIN)
Alias Type: Alternate Name
Alias Name: 396-312-04
Alias Type: APN
Alias Name: 396-312-05
Alias Type: APN
Alias Name: 396-312-07
Alias Type: APN
Alias Name: 396-312-08
Alias Type: APN
Alias Name: 396-312-09
Alias Type: APN
Alias Name: 401659
Alias Type: Project Code (Site Code)
Alias Name: 60001948
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 11/18/2013
Comments: A Voluntary Cleanup Agreement was fully executed between DTSC and Proponet, John C. Hall, Trustee

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 02/25/2016
Comments: Signed NOE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 01/11/2016
Comments: Completed for Public Notice

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 12/30/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER DRY CLEANER, SANTA ANA, CALIFORNIA (Continued)

S118466267

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/24/2017
Comments: Conditional Approval

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/13/2015
Comments: Completed Annual Estimate for FY 1415.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/16/2016
Comments: FY 1617 Annual Oversight Cost Estimate completed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/13/2015
Comments: FY1516 Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/26/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/17/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/31/2018
Comments: FY 1819 Estimate: \$\$30,496

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/16/2017
Comments: completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/01/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER DRY CLEANER, SANTA ANA, CALIFORNIA (Continued)

S118466267

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 05/18/2020
Comments: Letter was sent to proponent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/16/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 03/13/2014
Comments: DTSC approved the SSI Workplan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/17/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 01/04/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 01/04/2016
Comments: Final Public Notice

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2022
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedy Constructed: Operating Properly & Successfully
Future Due Date: 2021
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Removal Action Workplan
Schedule Due Date: 11/27/2020
Schedule Revised Date: Not reported

VCP:

Name: FORMER DRY CLEANER, SANTA ANA, CALIFORNIA
Address: NORTHEAST CORNER 17TH AND TUSTIN AVENUE
City,State,Zip: SANTA ANA, CA 92705
Facility ID: 60001948
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER DRY CLEANER, SANTA ANA, CALIFORNIA (Continued)

S118466267

Acres: 1.77
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Scarlett Zhai
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 401659
Assembly: 69
Senate: 34
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 11/18/2013
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.75961 / -117.8338
APN: 396-312-04, 396-312-05, 396-312-07, 396-312-08, 396-312-09
Past Use: DRY CLEANING
Potential COC: 30022, 30027
Confirmed COC: 30022,30027
Potential Description: SOIL, UE
Alias Name: Former Dry Cleaner
Alias Type: Alternate Name
Alias Name: IN-N-OUT (NORTHEAST CORNER 17TH AND TUSTIN)
Alias Type: Alternate Name
Alias Name: 396-312-04
Alias Type: APN
Alias Name: 396-312-05
Alias Type: APN
Alias Name: 396-312-07
Alias Type: APN
Alias Name: 396-312-08
Alias Type: APN
Alias Name: 396-312-09
Alias Type: APN
Alias Name: 401659
Alias Type: Project Code (Site Code)
Alias Name: 60001948
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 11/18/2013
Comments: A Voluntary Cleanup Agreement was fully executed between DTSC and Proponet, John C. Hall, Trustee

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 02/25/2016
Comments: Signed NOE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER DRY CLEANER, SANTA ANA, CALIFORNIA (Continued)

S118466267

Completed Date: 01/11/2016
Comments: Completed for Public Notice

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 12/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/24/2017
Comments: Conditional Approval

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/13/2015
Comments: Completed Annual Estimate for FY 1415.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/16/2016
Comments: FY 1617 Annual Oversight Cost Estimate completed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/13/2015
Comments: FY1516 Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/26/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/17/2018
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/31/2018
Comments: FY 1819 Estimate: \$\$30,496

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/16/2017
Comments: completed.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER DRY CLEANER, SANTA ANA, CALIFORNIA (Continued)

S118466267

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/01/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 05/18/2020
Comments: Letter was sent to proponent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/16/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 03/13/2014
Comments: DTSC approved the SSI Workplan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/17/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 01/04/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 01/04/2016
Comments: Final Public Notice

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2022
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedy Constructed: Operating Properly & Successfully
Future Due Date: 2021
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Removal Action Workplan
Schedule Due Date: 11/27/2020
Schedule Revised Date: Not reported

Count: 6 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SANTA ANA	S105026411	ARCO #0206	302 1ST ST	92701	LUST, HIST CORTESE
SANTA ANA	S100864772	HONEYWELL	514 LYON ST	92701	LUST, HIST CORTESE
SANTA ANA	S106387336	INTERSTATE ENVIRONMENTAL SERVICES	119 MAIN ST	92701	LUST
SANTA ANA	S121700004	LEWIS CLEANERS	NE OF 17TH & TUSTIN	92701	DRYCLEANERS
SANTA ANA	S105265599	DANNY'S CLEANERS	1942 TUSTIN	92701	DRYCLEANERS
SANTA ANA	U001578100	ARCO	13972 N TUSTIN AVE	92701	LUST, HIST UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/28/2020	Source: EPA
Date Data Arrived at EDR: 11/05/2020	Telephone: N/A
Date Made Active in Reports: 11/25/2020	Last EDR Contact: 12/02/2020
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/11/2021
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/28/2020	Source: EPA
Date Data Arrived at EDR: 11/05/2020	Telephone: N/A
Date Made Active in Reports: 11/25/2020	Last EDR Contact: 12/02/2020
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/11/2021
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/28/2020	Source: EPA
Date Data Arrived at EDR: 11/05/2020	Telephone: 800-424-9346
Date Made Active in Reports: 11/25/2020	Last EDR Contact: 12/02/2020
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/25/2021
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/15/2020	Source: EPA
Date Data Arrived at EDR: 06/22/2020	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 87	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/06/2020	Source: Department of the Navy
Date Data Arrived at EDR: 08/21/2020	Telephone: 843-820-7326
Date Made Active in Reports: 11/11/2020	Last EDR Contact: 11/05/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 02/22/2021
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/28/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/05/2020	Telephone: 703-603-0695
Date Made Active in Reports: 11/18/2020	Last EDR Contact: 11/05/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 03/08/2021
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/28/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/05/2020	Telephone: 703-603-0695
Date Made Active in Reports: 11/18/2020	Last EDR Contact: 11/05/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 03/08/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 87

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 07/27/2020
Date Data Arrived at EDR: 07/27/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 73

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/27/2020
Date Data Arrived at EDR: 07/27/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 73

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/11/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/10/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/14/2020	Source: EPA Region 4
Date Data Arrived at EDR: 05/26/2020	Telephone: 404-562-8677
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/14/2020	Source: EPA, Region 5
Date Data Arrived at EDR: 05/20/2020	Telephone: 312-886-7439
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/20/2020	Telephone: 415-972-3372
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/14/2020	Source: EPA Region 8
Date Data Arrived at EDR: 05/20/2020	Telephone: 303-312-6271
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/15/2020	Source: EPA Region 7
Date Data Arrived at EDR: 05/20/2020	Telephone: 913-551-7003
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-6597
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/08/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/08/2020	Telephone: 866-480-1028
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/04/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 07/21/2020
Date Data Arrived at EDR: 09/03/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 83

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/03/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 12/03/2020
Number of Days to Update: 86

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/03/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/14/2020	Source: EPA Region 10
Date Data Arrived at EDR: 05/20/2020	Telephone: 206-553-2857
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/15/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/29/2020	Source: EPA, Region 1
Date Data Arrived at EDR: 05/20/2020	Telephone: 617-918-1313
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 11/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/14/2020	Source: EPA Region 8
Date Data Arrived at EDR: 05/20/2020	Telephone: 303-312-6137
Date Made Active in Reports: 08/13/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/14/2020	Source: EPA Region 4
Date Data Arrived at EDR: 05/26/2020	Telephone: 404-562-9424
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/14/2020	Source: EPA Region 5
Date Data Arrived at EDR: 05/20/2020	Telephone: 312-886-6136
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/27/2020
Date Data Arrived at EDR: 07/27/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 73

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/11/2020
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/14/2020
Date Data Arrived at EDR: 09/15/2020
Date Made Active in Reports: 12/10/2020
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/11/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 05/28/2020
Date Data Arrived at EDR: 05/29/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 75

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 10/30/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/27/2020
Date Data Arrived at EDR: 07/27/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 73

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2019
Date Data Arrived at EDR: 05/28/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/20/2020
Date Data Arrived at EDR: 07/21/2020
Date Made Active in Reports: 10/07/2020
Number of Days to Update: 78

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 12/01/2020
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 05/20/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/06/2020
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 08/03/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/22/2020
Number of Days to Update: 78

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 07/20/2020
Date Data Arrived at EDR: 07/21/2020
Date Made Active in Reports: 10/07/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/26/2020
Date Data Arrived at EDR: 08/28/2020
Date Made Active in Reports: 11/17/2020
Number of Days to Update: 81

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 08/31/2020	Source: DTSC and SWRCB
Date Data Arrived at EDR: 08/31/2020	Telephone: 916-323-3400
Date Made Active in Reports: 11/20/2020	Last EDR Contact: 12/01/2020
Number of Days to Update: 81	Next Scheduled EDR Contact: 03/15/2021
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/20/2020	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 09/22/2020	Telephone: 202-366-4555
Date Made Active in Reports: 12/14/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 06/30/2020	Source: Office of Emergency Services
Date Data Arrived at EDR: 07/21/2020	Telephone: 916-845-8400
Date Made Active in Reports: 10/07/2020	Last EDR Contact: 10/19/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/08/2020	Source: State Water Quality Control Board
Date Data Arrived at EDR: 09/08/2020	Telephone: 866-480-1028
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/04/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/08/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/08/2020	Telephone: 866-480-1028
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/04/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012

Source: FirstSearch

Date Data Arrived at EDR: 01/03/2013

Telephone: N/A

Date Made Active in Reports: 02/22/2013

Last EDR Contact: 01/03/2013

Number of Days to Update: 50

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/15/2020

Source: Environmental Protection Agency

Date Data Arrived at EDR: 06/22/2020

Telephone: (415) 495-8895

Date Made Active in Reports: 09/18/2020

Last EDR Contact: 12/17/2020

Number of Days to Update: 88

Next Scheduled EDR Contact: 04/05/2021

Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 08/05/2020

Source: U.S. Army Corps of Engineers

Date Data Arrived at EDR: 08/13/2020

Telephone: 202-528-4285

Date Made Active in Reports: 10/21/2020

Last EDR Contact: 11/17/2020

Number of Days to Update: 69

Next Scheduled EDR Contact: 03/01/2021

Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005

Source: USGS

Date Data Arrived at EDR: 11/10/2006

Telephone: 888-275-8747

Date Made Active in Reports: 01/11/2007

Last EDR Contact: 10/13/2020

Number of Days to Update: 62

Next Scheduled EDR Contact: 01/25/2021

Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018

Source: U.S. Geological Survey

Date Data Arrived at EDR: 04/11/2018

Telephone: 888-275-8747

Date Made Active in Reports: 11/06/2019

Last EDR Contact: 10/08/2020

Number of Days to Update: 574

Next Scheduled EDR Contact: 01/18/2021

Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/09/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/02/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/06/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/17/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/20/2020
Date Data Arrived at EDR: 07/21/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 79

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 07/24/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 10/21/2020
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/14/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 12/02/2020
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/15/2021
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 10/02/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 01/18/2021
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 10/01/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/18/2021
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/05/2020	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 08/10/2020	Telephone: 301-415-7169
Date Made Active in Reports: 10/08/2020	Last EDR Contact: 10/12/2020
Number of Days to Update: 59	Next Scheduled EDR Contact: 01/31/2021
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018	Source: Department of Energy
Date Data Arrived at EDR: 12/04/2019	Telephone: 202-586-8719
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 12/01/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 03/15/2021
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 11/30/2020
Number of Days to Update: 251	Next Scheduled EDR Contact: 03/15/2021
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 11/06/2021
Number of Days to Update: 96	Next Scheduled EDR Contact: 02/15/2021
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 09/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/11/2021
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/27/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/21/2020
Number of Days to Update: 6

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/06/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/06/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/20/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 09/10/2020
Date Data Arrived at EDR: 09/15/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 66

Source: DOL, Mine Safety & Health Admini
Telephone: 202-693-9424
Last EDR Contact: 11/24/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/04/2020
Date Data Arrived at EDR: 08/25/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 85

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/25/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/25/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/16/2020
Date Data Arrived at EDR: 09/17/2020
Date Made Active in Reports: 12/10/2020
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/10/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 09/04/2020
Date Data Arrived at EDR: 09/15/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 66

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/08/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/27/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/02/2020	Telephone: 202-564-2280
Date Made Active in Reports: 09/28/2020	Last EDR Contact: 10/06/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/18/2021
	Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2018	Telephone: 202-564-0527
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 11/17/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 03/08/2021
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/17/2020	Source: EPA
Date Data Arrived at EDR: 08/17/2020	Telephone: 800-385-6164
Date Made Active in Reports: 10/21/2020	Last EDR Contact: 11/13/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 03/01/2021
	Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 06/22/2020	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 06/22/2020	Telephone: 916-323-3400
Date Made Active in Reports: 09/04/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019	Source: Livermore-Pleasanton Fire Department
Date Data Arrived at EDR: 05/14/2019	Telephone: 925-454-2361
Date Made Active in Reports: 07/17/2019	Last EDR Contact: 11/13/2020
Number of Days to Update: 64	Next Scheduled EDR Contact: 02/22/2021
	Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/19/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 09/04/2020
Number of Days to Update: 14

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 08/25/2020
Date Data Arrived at EDR: 08/26/2020
Date Made Active in Reports: 11/13/2020
Number of Days to Update: 79

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/06/2020
Date Data Arrived at EDR: 08/28/2020
Date Made Active in Reports: 11/17/2020
Number of Days to Update: 81

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 08/28/2020
Number of Days to Update: 73

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 07/20/2020
Date Data Arrived at EDR: 07/21/2020
Date Made Active in Reports: 10/07/2020
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 07/13/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/05/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 79

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/04/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/05/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/17/2020
Date Data Arrived at EDR: 08/17/2020
Date Made Active in Reports: 11/05/2020
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 877-786-9427
Last EDR Contact: 11/13/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/17/2020
Date Data Arrived at EDR: 08/17/2020
Date Made Active in Reports: 11/05/2020
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/13/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/06/2020
Date Data Arrived at EDR: 07/07/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/06/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/08/2020	Source: Department of Conservation
Date Data Arrived at EDR: 09/08/2020	Telephone: 916-322-1080
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/08/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/31/2020	Source: Department of Public Health
Date Data Arrived at EDR: 08/31/2020	Telephone: 916-558-1784
Date Made Active in Reports: 11/20/2020	Last EDR Contact: 12/01/2020
Number of Days to Update: 81	Next Scheduled EDR Contact: 03/15/2021
	Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/10/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/10/2020	Telephone: 916-445-9379
Date Made Active in Reports: 10/29/2020	Last EDR Contact: 11/09/2020
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/22/2021
	Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 08/31/2020	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 08/31/2020	Telephone: 916-445-4038
Date Made Active in Reports: 11/20/2020	Last EDR Contact: 12/01/2020
Number of Days to Update: 81	Next Scheduled EDR Contact: 03/15/2021
	Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/08/2020	Source: Department of Conservation
Date Data Arrived at EDR: 09/08/2020	Telephone: 916-323-3836
Date Made Active in Reports: 12/01/2020	Last EDR Contact: 12/08/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/07/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/09/2020	Telephone: 916-445-3846
Date Made Active in Reports: 12/10/2020	Last EDR Contact: 12/07/2020
Number of Days to Update: 1	Next Scheduled EDR Contact: 03/29/2021
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 09/08/2020	Source: Department of Conservation
Date Data Arrived at EDR: 09/08/2020	Telephone: 916-445-2408
Date Made Active in Reports: 12/01/2020	Last EDR Contact: 12/08/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 09/08/2020	Source: State Water Resource Control Board
Date Data Arrived at EDR: 09/08/2020	Telephone: 866-480-1028
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/04/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019	Source: RWQCB, Central Valley Region
Date Data Arrived at EDR: 01/07/2020	Telephone: 559-445-5577
Date Made Active in Reports: 03/09/2020	Last EDR Contact: 10/09/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/18/2021
	Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 11/13/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 03/01/2021
	Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 12/15/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 09/08/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/08/2020	Telephone: 866-480-1028
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/04/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 12/01/2020
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/08/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/31/2020
Date Data Arrived at EDR: 08/31/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 07/20/2020
Date Data Arrived at EDR: 07/21/2020
Date Made Active in Reports: 10/07/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/08/2020
Date Data Arrived at EDR: 09/08/2020
Date Made Active in Reports: 11/30/2020
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/04/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/25/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 10/13/2020
Date Data Arrived at EDR: 10/14/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/01/2020
Date Made Active in Reports: 07/17/2020
Number of Days to Update: 16

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 05/18/2020
Date Data Arrived at EDR: 05/19/2020
Date Made Active in Reports: 06/01/2020
Number of Days to Update: 13

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 06/17/2020
Date Data Arrived at EDR: 06/18/2020
Date Made Active in Reports: 09/02/2020
Number of Days to Update: 76

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 07/16/2020
Date Data Arrived at EDR: 07/22/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 78

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/22/2020
Number of Days to Update: 70

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 08/13/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/22/2020
Number of Days to Update: 70

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/01/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 78

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 08/13/2020
Date Data Arrived at EDR: 08/17/2020
Date Made Active in Reports: 11/05/2020
Number of Days to Update: 80

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List

A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 07/28/2020
Date Data Arrived at EDR: 07/30/2020
Date Made Active in Reports: 10/13/2020
Number of Days to Update: 75

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 07/28/2020
Date Data Arrived at EDR: 07/30/2020
Date Made Active in Reports: 10/14/2020
Number of Days to Update: 76

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/11/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

LAKE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 08/13/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 71

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/06/2020
Date Data Arrived at EDR: 07/10/2020
Date Made Active in Reports: 09/28/2020
Number of Days to Update: 80

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/13/2020
Date Data Arrived at EDR: 07/13/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 78

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/09/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 08/17/2020
Date Made Active in Reports: 11/05/2020
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 12/18/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012	Source: Los Angeles County Department of Public Works
Date Data Arrived at EDR: 04/17/2019	Telephone: 626-458-6973
Date Made Active in Reports: 05/29/2019	Last EDR Contact: 10/12/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 01/25/2021
	Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 12/18/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 12/18/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/25/2020	Source: Community Health Services
Date Data Arrived at EDR: 04/14/2020	Telephone: 323-890-7806
Date Made Active in Reports: 07/01/2020	Last EDR Contact: 10/09/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 01/25/2021
	Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 10/07/2020
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/25/2021
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 04/23/2019	Telephone: 562-570-2563
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 10/13/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/27/2019	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 07/30/2019	Telephone: 310-618-2973
Date Made Active in Reports: 10/02/2019	Last EDR Contact: 10/05/2020
Number of Days to Update: 64	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020	Source: Madera County Environmental Health
Date Data Arrived at EDR: 08/12/2020	Telephone: 559-675-7823
Date Made Active in Reports: 10/23/2020	Last EDR Contact: 11/11/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 03/01/2021
	Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/04/2018	Telephone: 415-473-6647
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 09/23/2020
Number of Days to Update: 29	Next Scheduled EDR Contact: 01/11/2021
	Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/28/2020	Source: Merced County Environmental Health
Date Data Arrived at EDR: 07/30/2020	Telephone: 209-381-1094
Date Made Active in Reports: 07/31/2020	Last EDR Contact: 11/11/2020
Number of Days to Update: 1	Next Scheduled EDR Contact: 03/01/2021
	Data Release Frequency: Varies

MONO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA MONO: CUPA Facility List CUPA Facility List

Date of Government Version: 08/20/2020
Date Data Arrived at EDR: 08/24/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 77

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 11/15/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/13/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/31/2020
Number of Days to Update: 16

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List CUPA facility list.

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 07/30/2020
Date Made Active in Reports: 10/13/2020
Number of Days to Update: 75

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups Petroleum and non-petroleum spills.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/10/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 10/19/2020
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/02/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/02/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 79

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/02/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/01/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 10/19/2020
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/03/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 11/24/2020
Date Data Arrived at EDR: 11/24/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 1

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/06/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 10/06/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 11/03/2020
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/24/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 78

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 08/04/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/22/2020
Number of Days to Update: 78

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/04/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 82

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/31/2020
Date Data Arrived at EDR: 08/31/2020
Date Made Active in Reports: 11/23/2020
Number of Days to Update: 84

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 08/03/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/22/2020
Number of Days to Update: 78

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 08/03/2020
Date Data Arrived at EDR: 08/05/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 82

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/09/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List

Cupa Facility List.

Date of Government Version: 07/27/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 75

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/11/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011

Date Data Arrived at EDR: 09/09/2011

Date Made Active in Reports: 10/07/2011

Number of Days to Update: 28

Source: Santa Barbara County Public Health Department

Telephone: 805-686-8167

Last EDR Contact: 11/11/2020

Next Scheduled EDR Contact: 03/01/2021

Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 08/20/2020

Date Data Arrived at EDR: 08/20/2020

Date Made Active in Reports: 11/09/2020

Number of Days to Update: 81

Source: Department of Environmental Health

Telephone: 408-918-1973

Last EDR Contact: 11/11/2020

Next Scheduled EDR Contact: 03/01/2021

Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county.

Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005

Date Data Arrived at EDR: 03/30/2005

Date Made Active in Reports: 04/21/2005

Number of Days to Update: 22

Source: Santa Clara Valley Water District

Telephone: 408-265-2600

Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009

Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014

Date Data Arrived at EDR: 03/05/2014

Date Made Active in Reports: 03/18/2014

Number of Days to Update: 13

Source: Department of Environmental Health

Telephone: 408-918-3417

Last EDR Contact: 11/16/2020

Next Scheduled EDR Contact: 03/08/2021

Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 07/30/2020

Date Data Arrived at EDR: 07/31/2020

Date Made Active in Reports: 10/16/2020

Number of Days to Update: 77

Source: City of San Jose Fire Department

Telephone: 408-535-7694

Last EDR Contact: 10/28/2020

Next Scheduled EDR Contact: 02/15/2021

Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List

CUPA facility listing.

Date of Government Version: 01/21/2017

Date Data Arrived at EDR: 02/22/2017

Date Made Active in Reports: 05/23/2017

Number of Days to Update: 90

Source: Santa Cruz County Environmental Health

Telephone: 831-464-2761

Last EDR Contact: 11/11/2020

Next Scheduled EDR Contact: 03/01/2021

Data Release Frequency: Varies

SHASTA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SHASTA: CUPA Facility List Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/03/2019
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 08/25/2020
Date Data Arrived at EDR: 08/26/2020
Date Made Active in Reports: 09/16/2020
Number of Days to Update: 21

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/03/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List Cupa Facility list

Date of Government Version: 07/07/2020
Date Data Arrived at EDR: 07/08/2020
Date Made Active in Reports: 09/25/2020
Number of Days to Update: 79

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 09/18/2020
Date Data Arrived at EDR: 09/22/2020
Date Made Active in Reports: 12/14/2020
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List Cupa facility list

Date of Government Version: 02/04/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Varies

SUTTER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 08/25/2020
Date Data Arrived at EDR: 08/26/2020
Date Made Active in Reports: 11/17/2020
Number of Days to Update: 83

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 08/11/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 75

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List Cupa facility list

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 08/06/2020
Date Data Arrived at EDR: 08/06/2020
Date Made Active in Reports: 10/26/2020
Number of Days to Update: 81

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

VENTURA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 07/10/2020	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 07/22/2020	Telephone: 805-654-2813
Date Made Active in Reports: 10/08/2020	Last EDR Contact: 10/19/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 09/23/2020
Number of Days to Update: 49	Next Scheduled EDR Contact: 01/11/2021
	Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 11/05/2020
Number of Days to Update: 37	Next Scheduled EDR Contact: 02/22/2021
	Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 07/10/2020	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 07/22/2020	Telephone: 805-654-2813
Date Made Active in Reports: 10/07/2020	Last EDR Contact: 10/19/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/26/2020	Source: Environmental Health Division
Date Data Arrived at EDR: 09/08/2020	Telephone: 805-654-2813
Date Made Active in Reports: 12/01/2020	Last EDR Contact: 12/08/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 06/23/2020	Source: Yolo County Department of Health
Date Data Arrived at EDR: 06/29/2020	Telephone: 530-666-8646
Date Made Active in Reports: 09/15/2020	Last EDR Contact: 10/07/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 01/11/2021
	Data Release Frequency: Annually

YUBA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 08/06/2020

Date Data Arrived at EDR: 08/07/2020

Date Made Active in Reports: 10/26/2020

Number of Days to Update: 80

Source: Yuba County Environmental Health Department

Telephone: 530-749-7523

Last EDR Contact: 11/03/2020

Next Scheduled EDR Contact: 02/08/2021

Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/10/2020

Date Data Arrived at EDR: 10/20/2020

Date Made Active in Reports: 11/02/2020

Number of Days to Update: 13

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375

Last EDR Contact: 11/09/2020

Next Scheduled EDR Contact: 02/22/2021

Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018

Date Data Arrived at EDR: 04/10/2019

Date Made Active in Reports: 05/16/2019

Number of Days to Update: 36

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 10/09/2020

Next Scheduled EDR Contact: 01/18/2021

Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019

Date Data Arrived at EDR: 04/29/2020

Date Made Active in Reports: 07/10/2020

Number of Days to Update: 72

Source: Department of Environmental Conservation

Telephone: 518-402-8651

Last EDR Contact: 10/30/2020

Next Scheduled EDR Contact: 02/08/2021

Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018

Date Data Arrived at EDR: 07/19/2019

Date Made Active in Reports: 09/10/2019

Number of Days to Update: 53

Source: Department of Environmental Protection

Telephone: 717-783-8990

Last EDR Contact: 10/07/2020

Next Scheduled EDR Contact: 01/25/2021

Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018

Date Data Arrived at EDR: 10/02/2019

Date Made Active in Reports: 12/10/2019

Number of Days to Update: 69

Source: Department of Environmental Management

Telephone: 401-222-2797

Last EDR Contact: 11/11/2020

Next Scheduled EDR Contact: 03/01/2021

Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018

Date Data Arrived at EDR: 06/19/2019

Date Made Active in Reports: 09/03/2019

Number of Days to Update: 76

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 12/03/2020

Next Scheduled EDR Contact: 03/22/2021

Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

2020 E FIRST AVENUE
2020 E FIRST AVENUE
SANTA ANA, CA 92705

TARGET PROPERTY COORDINATES

Latitude (North):	33.744932 - 33° 44' 41.76"
Longitude (West):	117.837168 - 117° 50' 13.80"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	422456.2
UTM Y (Meters):	3733996.2
Elevation:	135 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5640942 TUSTIN, CA
Version Date:	2012
North Map:	5641308 ORANGE, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

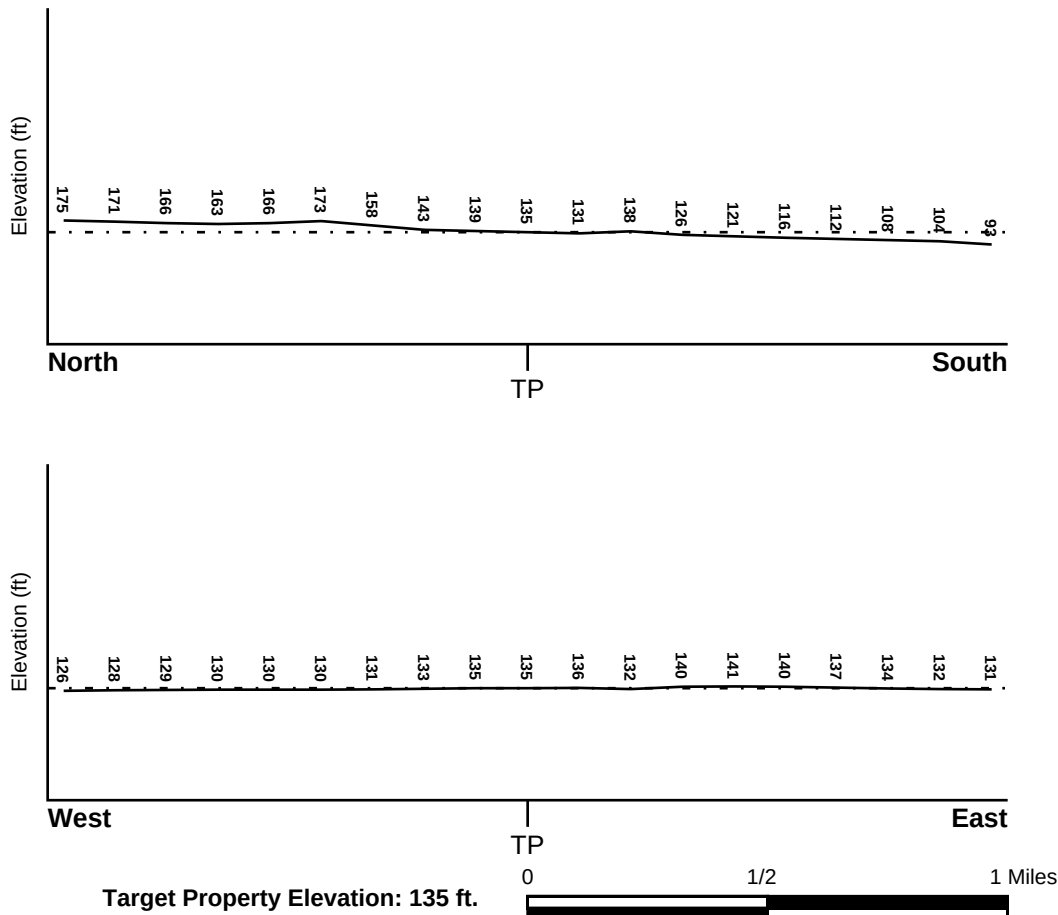
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06059C0277J	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06059C0163J	FEMA FIRM Flood data
06059C0164J	FEMA FIRM Flood data
06059C0276J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
TUSTIN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile South
Site Name:	Xerox Corporation Facility
Site EPA ID Number:	CAD982400103
Surficial Aquifer Flow Dir.:	West-Southwest
Measured Depth to Water:	43 feet to 46 feet.
Hydraulic Connection:	The surficial and underlying aquifers are hydraulically interconnected.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information based on site-specific subsurface investigations is documented in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
21	1/4 - 1/2 Mile NE	NW
47	1/2 - 1 Mile South	Not Reported
J55	1/2 - 1 Mile SSE	Not Reported
Q117	1/2 - 1 Mile SE	NW
S135	1/2 - 1 Mile ESE	E
1G	1/4 - 1/2 Mile NE	NW
4G	1/2 - 1 Mile ESE	E
5G	1/2 - 1 Mile SE	NW
7G	1/2 - 1 Mile SSE	Not Reported
8G	1/2 - 1 Mile South	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

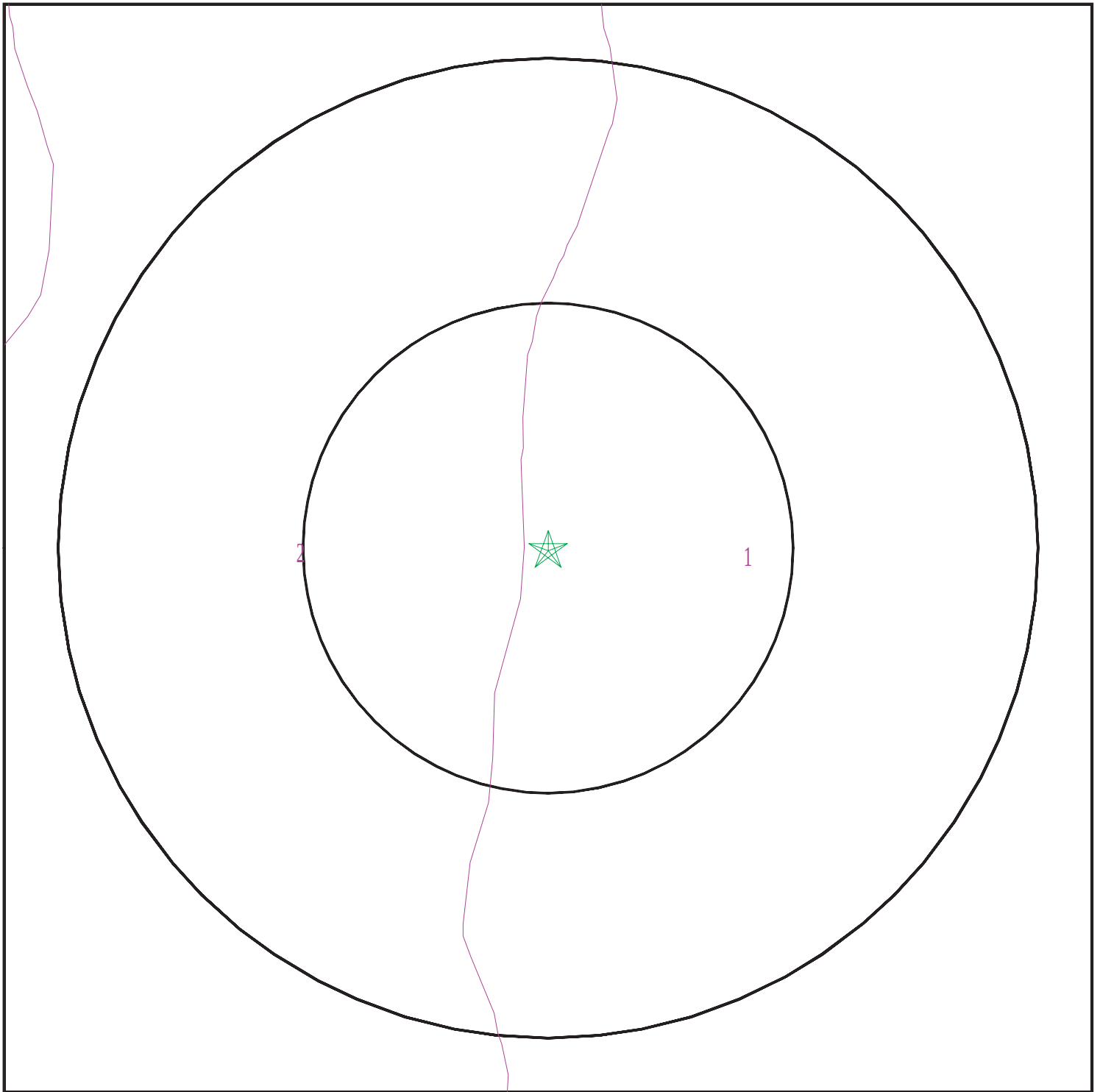
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6308387.2s



- ★ Target Property
- ∨ SSURGO Soil
- ∨ Water



SITE NAME: 2020 E First Avenue
ADDRESS: 2020 E First Avenue
SANTA ANA CA 92705
LAT/LONG: 33.744932 / 117.837168

CLIENT: Partner Engineering and Science, Inc.
CONTACT: Krystal Dimmeler
INQUIRY #: 6308387.2s
DATE: December 21, 2020 9:53 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: SAN EMIGDIO

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.9
2	7 inches	61 inches	stratified gravelly loamy coarse sand to very fine sandy loam	Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: MOCHO

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	31 inches	loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	31 inches	61 inches	loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A4	USGS40000137756	1/8 - 1/4 Mile WSW
D22	USGS40000137854	1/4 - 1/2 Mile NNE
O95	USGS40000137742	1/2 - 1 Mile East
O99	USGS40000137741	1/2 - 1 Mile East
O100	USGS40000137739	1/2 - 1 Mile East
O101	USGS40000137740	1/2 - 1 Mile East
115	USGS40000137604	1/2 - 1 Mile SW
T124	USGS40000137878	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
43	CA3010046	1/2 - 1 Mile East

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	CADDW0000017437	1/8 - 1/4 Mile SW
A3	CAUSGSN00007177	1/8 - 1/4 Mile WSW
B5	CAEDF0000034265	1/8 - 1/4 Mile NE
A6	CALLNL000000150	1/8 - 1/4 Mile WSW
B7	CAEDF0000034137	1/8 - 1/4 Mile NE
B8	CAEDF0000016566	1/4 - 1/2 Mile NE
B9	CAEDF0000108271	1/4 - 1/2 Mile NE
C10	CADWR8000005271	1/4 - 1/2 Mile ESE
C11	CADDW0000000828	1/4 - 1/2 Mile ESE
B12	CAEDF0000057418	1/4 - 1/2 Mile NE
C13	CADWR0000029518	1/4 - 1/2 Mile ESE
B14	CAEDF0000071698	1/4 - 1/2 Mile NE
B15	CAEDF0000043961	1/4 - 1/2 Mile NE
B16	CAEDF0000115044	1/4 - 1/2 Mile NE
B17	CAEDF0000125183	1/4 - 1/2 Mile NE
B18	CAEDF0000139971	1/4 - 1/2 Mile NE
B19	CAEDF0000131609	1/4 - 1/2 Mile NE
B20	CAEDF0000140287	1/4 - 1/2 Mile NE
D23	CAUSGSN00001815	1/4 - 1/2 Mile NNE
D24	CADWR0000017808	1/4 - 1/2 Mile NE
E25	CAEDF0000112366	1/2 - 1 Mile West
E26	CAEDF0000059628	1/2 - 1 Mile West
E27	CAEDF0000107529	1/2 - 1 Mile West
F28	CAEDF0000092910	1/2 - 1 Mile East
E29	CAEDF0000091154	1/2 - 1 Mile West
E30	CAEDF0000061459	1/2 - 1 Mile West
F31	CAEDF0000104921	1/2 - 1 Mile East
F32	CAEDF0000090595	1/2 - 1 Mile East
E33	CAEDF0000080525	1/2 - 1 Mile West
E34	CAEDF0000047179	1/2 - 1 Mile West
E35	CAEDF0000117384	1/2 - 1 Mile West
F36	CAEDF0000050497	1/2 - 1 Mile East
F37	CAEDF0000123959	1/2 - 1 Mile East
F38	CAEDF0000012166	1/2 - 1 Mile East
F39	CAEDF0000039335	1/2 - 1 Mile East
F40	CAEDF0000111990	1/2 - 1 Mile East
F41	CAEDF0000059559	1/2 - 1 Mile East
G42	CADDW0000019666	1/2 - 1 Mile NNW
G44	CADWR8000005338	1/2 - 1 Mile NNW
H45	CADWR0000024680	1/2 - 1 Mile ESE
H46	CADWR0000026641	1/2 - 1 Mile ESE
I48	CAEDF0000124623	1/2 - 1 Mile South
I49	CAEDF0000114755	1/2 - 1 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

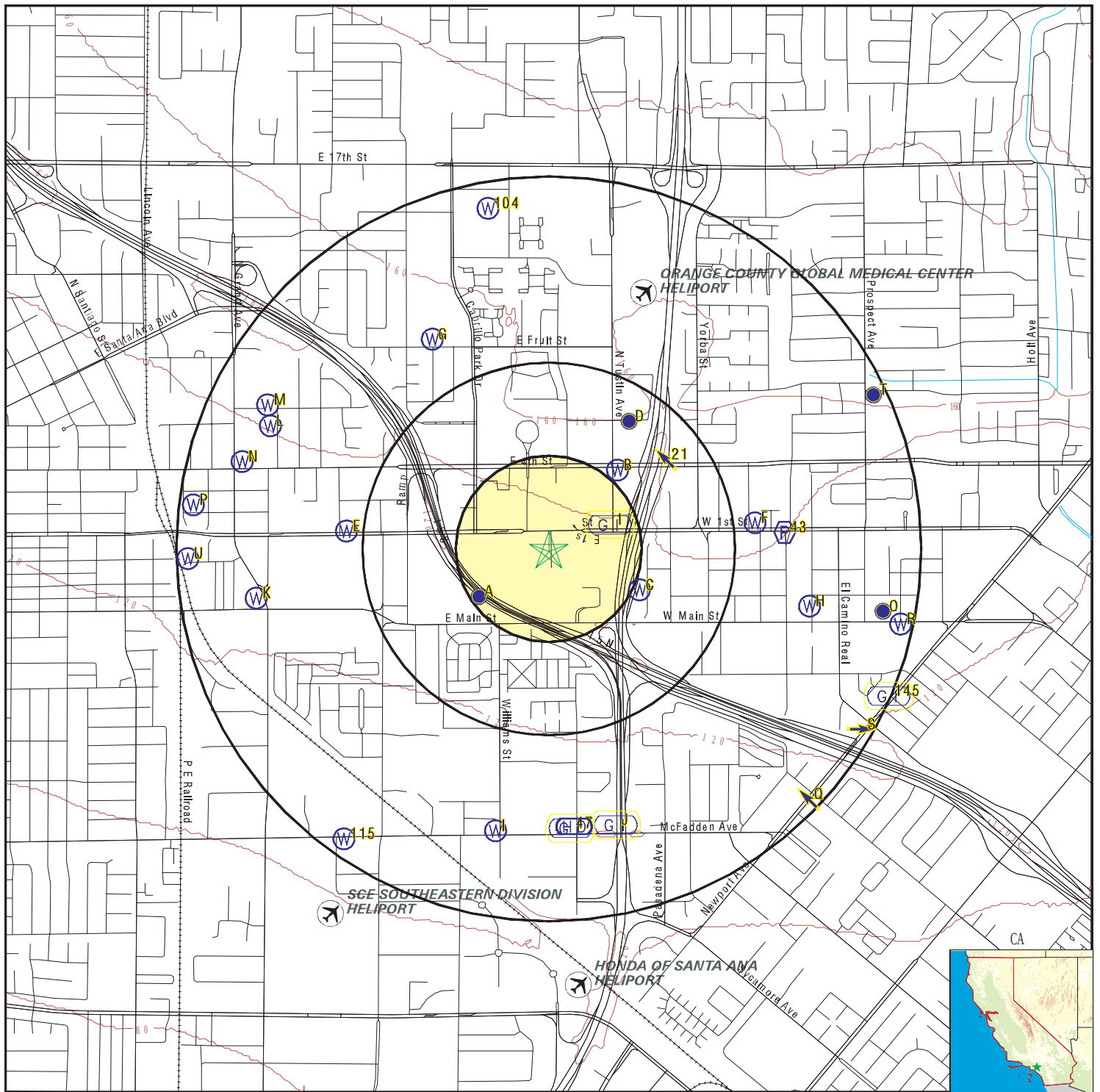
MAP ID	WELL ID	LOCATION FROM TP
I50	CAEDF0000038397	1/2 - 1 Mile South
I51	CAEDF0000114604	1/2 - 1 Mile South
I53	CAEDF0000125967	1/2 - 1 Mile South
I54	CAEDF0000017467	1/2 - 1 Mile South
I56	CAEDF0000119512	1/2 - 1 Mile South
I57	CAEDF0000115435	1/2 - 1 Mile South
I58	CAEDF0000075732	1/2 - 1 Mile South
I59	CAEDF0000079674	1/2 - 1 Mile South
I60	CAEDF0000044692	1/2 - 1 Mile SSW
I61	CAEDF0000000406	1/2 - 1 Mile South
I62	CAEDF0000097784	1/2 - 1 Mile South
I63	CAEDF0000126330	1/2 - 1 Mile South
I64	CAEDF0000053594	1/2 - 1 Mile South
I65	CAEDF0000008037	1/2 - 1 Mile South
I66	CAEDF0000098009	1/2 - 1 Mile South
I67	CAEDF0000105484	1/2 - 1 Mile SSW
K68	CAEDF0000006273	1/2 - 1 Mile West
I69	CAEDF0000064597	1/2 - 1 Mile South
I70	CAEDF0000083909	1/2 - 1 Mile SSW
L71	CAEDF0000082257	1/2 - 1 Mile WNW
K72	CAEDF0000076468	1/2 - 1 Mile West
K73	CAEDF0000082217	1/2 - 1 Mile West
I74	CAEDF0000084368	1/2 - 1 Mile South
K75	CAEDF0000055046	1/2 - 1 Mile West
I76	CAEDF0000089040	1/2 - 1 Mile SSW
K77	CAEDF0000089185	1/2 - 1 Mile West
K78	CAEDF0000121930	1/2 - 1 Mile West
K79	CAEDF0000049343	1/2 - 1 Mile West
K80	CAEDF0000091582	1/2 - 1 Mile West
K81	CAEDF0000140806	1/2 - 1 Mile West
K82	CAEDF0000089623	1/2 - 1 Mile West
M83	CAEDF0000129080	1/2 - 1 Mile WNW
L84	CAEDF0000031669	1/2 - 1 Mile WNW
L85	CAEDF0000051553	1/2 - 1 Mile WNW
L86	CAEDF0000004956	1/2 - 1 Mile WNW
M87	CAEDF0000083353	1/2 - 1 Mile WNW
N88	CAEDF0000038954	1/2 - 1 Mile WNW
M89	CAEDF0000125137	1/2 - 1 Mile WNW
N90	CAEDF0000121265	1/2 - 1 Mile WNW
M91	CAEDF0000100592	1/2 - 1 Mile WNW
N92	CAEDF0000018118	1/2 - 1 Mile WNW
M93	CAEDF0000086316	1/2 - 1 Mile WNW
O94	CALLNL000000481	1/2 - 1 Mile East
O96	CAUSGSN00008714	1/2 - 1 Mile East
O97	CADWR8000005263	1/2 - 1 Mile East
O98	CADWR0000012728	1/2 - 1 Mile ESE
O102	CAUSGSN00017304	1/2 - 1 Mile East
O103	CAUSGSN00007202	1/2 - 1 Mile East
104	CADWR8000005373	1/2 - 1 Mile North
O105	CADDW0000016277	1/2 - 1 Mile East
P106	CADDW0000018115	1/2 - 1 Mile West
Q107	CAEDF0000065392	1/2 - 1 Mile SE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
Q108	CAEDF0000078564	1/2 - 1 Mile SE
O109	CADWR8000005262	1/2 - 1 Mile East
O110	CADWR0000024564	1/2 - 1 Mile East
R111	CADDW0000007618	1/2 - 1 Mile ESE
Q112	CAEDF0000070040	1/2 - 1 Mile SE
Q113	CAEDF0000016909	1/2 - 1 Mile SE
Q114	CAEDF0000139133	1/2 - 1 Mile SE
Q116	CAEDF0000084236	1/2 - 1 Mile SE
S118	CAEDF0000112224	1/2 - 1 Mile ESE
Q119	CAEDF0000015511	1/2 - 1 Mile SE
Q120	CAEDF0000070671	1/2 - 1 Mile SE
S121	CAEDF0000103372	1/2 - 1 Mile ESE
S122	CAEDF0000101901	1/2 - 1 Mile ESE
S123	CAEDF0000003120	1/2 - 1 Mile ESE
T125	CAUSGSN00016070	1/2 - 1 Mile ENE
T126	CAUSGS000002625	1/2 - 1 Mile ENE
S127	CAEDF0000083149	1/2 - 1 Mile ESE
S128	CAEDF0000023635	1/2 - 1 Mile ESE
S129	CAEDF0000141721	1/2 - 1 Mile ESE
U130	CADWR8000005278	1/2 - 1 Mile West
U131	CADWR8000005274	1/2 - 1 Mile West
S132	CAEDF0000127371	1/2 - 1 Mile ESE
Q133	CAEDF0000138181	1/2 - 1 Mile SE
S134	CAEDF0000097001	1/2 - 1 Mile ESE
Q136	CAEDF0000016334	1/2 - 1 Mile SE
S137	CAEDF0000101520	1/2 - 1 Mile ESE
Q138	CAEDF0000031818	1/2 - 1 Mile SE
Q139	CAEDF0000015987	1/2 - 1 Mile SE
Q140	CAEDF0000121867	1/2 - 1 Mile SE
Q141	CAEDF0000080559	1/2 - 1 Mile SE
P142	6137	1/2 - 1 Mile West
R143	CADDW0000019477	1/2 - 1 Mile East
Q144	CAEDF0000086412	1/2 - 1 Mile SE
Q146	CAEDF0000093922	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 6308387.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: 2020 E First Avenue
 ADDRESS: 2020 E First Avenue
 SANTA ANA CA 92705
 LAT/LONG: 33.744932 / 117.837168

CLIENT: Partner Engineering and Science, Inc.
 CONTACT: Krystel Dimmeler
 INQUIRY #: 6308387.2s
 DATE: December 21, 2020 9:53 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1 ENE 1/8 - 1/4 Mile Higher	Site ID: 083001069T		
	Groundwater Flow: Not Reported	AQUIFLOW	51977
	Shallow Water Depth: Not Reported		
	Deep Water Depth: Not Reported		
	Average Water Depth: 90 ft		
	Date: 07/05/1989		

A2 SW 1/8 - 1/4 Mile Lower		CA WELLS	CADDW0000017437

Well ID:	3010038-031	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 31	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3010038-031&store_num=		
GeoTracker Data:	Not Reported		

A3 WSW 1/8 - 1/4 Mile Lower		CA WELLS	CAUSGSN00007177

Well ID:	USGS-334435117502601	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334435117502601	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334435117502601&store_num=		
GeoTracker Data:	Not Reported		

A4 WSW 1/8 - 1/4 Mile Lower		FED USGS	USGS40000137756

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S009W17B001S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	1984	Well Depth:	1260
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B5
NE
1/8 - 1/4 Mile
Higher

CA WELLS CAEDF0000034265

Well ID:	T0605953807-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605953807&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605953807&assigned_name=MW-3		

A6
WSW
1/8 - 1/4 Mile
Lower

CA WELLS CALLNL000000150

Well ID:	100786	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	05S/09W-17B01 S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Helium-4	Results:	.000000116203
Units:	cm3STP/g	Date:	07/03/2001

Chemical:	Helium-3/Helium-4	Results:	.00000156698
Units:	atom ratio	Date:	07/03/2001

Chemical:	Tritium (Hydrogen 3)	Results:	5.92
Units:	pCi/L	Date:	08/30/2001

Chemical:	Argon	Results:	.000511044
Units:	cm3STP/g	Date:	07/03/2001

Chemical:	Krypton	Results:	.0000000990487
Units:	cm3STP/g	Date:	07/03/2001

Chemical:	Neon	Results:	.000000475512
Units:	cm3STP/g	Date:	07/03/2001

Chemical:	Xenon	Results:	.00000000952769
Units:	cm3STP/g	Date:	07/03/2001

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B7
NE
1/8 - 1/4 Mile
Higher

CA WELLS CAEDF0000034137

Well ID: T0605953807-MW-2 Well Type: MONITORING
Source: EDF Other Name: MW-2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605953807&assigned_name=MW-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605953807&assigned_name=MW-2

B8
NE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000016566

Well ID: T0605953807-MW-1 Well Type: MONITORING
Source: EDF Other Name: MW-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605953807&assigned_name=MW-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605953807&assigned_name=MW-1

B9
NE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000108271

Well ID: T0605953807-MW-4 Well Type: MONITORING
Source: EDF Other Name: MW-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605953807&assigned_name=MW-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605953807&assigned_name=MW-4

C10
ESE
1/4 - 1/2 Mile
Lower

CA WELLS CADWR8000005271

State Well #: 05S09W16D001S Station ID: 38724
Well Name: Not Reported Well Use: Unknown
Well Type: Unknown Well Depth: 0
Basin Name: Coastal Plain Of Orange County
Well Completion Rpt #: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

C11
ESE
1/4 - 1/2 Mile
Lower

CA WELLS CADDW0000000828

Well ID:	3010046-032	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	PASADENA WELL	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3010046-032&store_num=		
GeoTracker Data:	Not Reported		

B12
NE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000057418

Well ID:	T0605990440-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605990440&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605990440&assigned_name=MW-2		

C13
ESE
1/4 - 1/2 Mile
Lower

CA WELLS CADWR0000029518

Well ID:	05S09W16D001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S09W16D001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S09W16D001S&store_num=		
GeoTracker Data:	Not Reported		

B14
NE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000071698

Well ID:	T0605990440-MW-1D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605990440&assigned_name=MW-1D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605990440&assigned_name=MW-1D		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B15
NE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000043961

Well ID:	T0605990440-MW-3D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605990440&assigned_name=MW-3D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605990440&assigned_name=MW-3D		

B16
NE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000115044

Well ID:	T0605934780-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934780&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934780&assigned_name=MW-2		

B17
NE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000125183

Well ID:	T0605934780-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934780&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934780&assigned_name=MW-1		

B18
NE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000139971

Well ID:	T0605934780-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934780&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934780&assigned_name=MW-4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B19
NE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000131609

Well ID: T0605934780-MW-3 Well Type: MONITORING
Source: EDF Other Name: MW-3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934780&assigned_name=MW-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934780&assigned_name=MW-3

B20
NE
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000140287

Well ID: T0605934780-MW-6 Well Type: MONITORING
Source: EDF Other Name: MW-6
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605934780&assigned_name=MW-6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605934780&assigned_name=MW-6

21
NE
1/4 - 1/2 Mile
Higher

AQUIFLOW 52033

Site ID: 083002544T
Groundwater Flow: NW
Shallow Water Depth: 81.95
Deep Water Depth: 91.95
Average Water Depth: Not Reported
Date: 03/19/1996

D22
NNE
1/4 - 1/2 Mile
Lower

FED USGS USGS40000137854

Organization ID: USGS-CA
Organization Name: USGS California Water Science Center
Monitor Location: 005S009W09M001S Type: Well
Description: Not Reported HUC: 18070204
Drainage Area: Not Reported Drainage Area Units: Not Reported
Contrib Drainage Area: Not Reported Contrib Drainage Area Units: Not Reported
Aquifer: California Coastal Basin aquifers
Formation Type: Not Reported Aquifer Type: Not Reported
Construction Date: Not Reported Well Depth: Not Reported
Well Depth Units: Not Reported Well Hole Depth: Not Reported
Well Hole Depth Units: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D23
NNE
1/4 - 1/2 Mile
Lower

CA WELLS CAUSGSN00001815

Well ID:	USGS-334500117495801	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334500117495801	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334500117495801&store_num=		
GeoTracker Data:	Not Reported		

D24
NE
1/4 - 1/2 Mile
Higher

CA WELLS CADWR0000017808

Well ID:	05S09W09M001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S09W09M001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S09W09M001S&store_num=		
GeoTracker Data:	Not Reported		

E25
West
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000112366

Well ID:	T0605902028-B-22	Well Type:	MONITORING
Source:	EDF	Other Name:	B-22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902028&assigned_name=B-22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902028&assigned_name=B-22		

E26
West
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000059628

Well ID:	T0605902028-B-18	Well Type:	MONITORING
Source:	EDF	Other Name:	B-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902028&assigned_name=B-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902028&assigned_name=B-18		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

E27
West
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000107529

Well ID: T0605902028-B-20 Well Type: MONITORING
Source: EDF Other Name: B-20
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902028&assigned_name=B-20&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902028&assigned_name=B-20

F28
East
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000092910

Well ID: T0605999010-MW7 Well Type: MONITORING
Source: EDF Other Name: MW7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999010&assigned_name=MW7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999010&assigned_name=MW7

E29
West
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000091154

Well ID: T0605902028-B-5 Well Type: MONITORING
Source: EDF Other Name: B-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902028&assigned_name=B-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902028&assigned_name=B-5

E30
West
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000061459

Well ID: T0605902028-B-19 Well Type: MONITORING
Source: EDF Other Name: B-19
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902028&assigned_name=B-19&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902028&assigned_name=B-19

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

F31
East
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000104921

Well ID: T0605999010-MW6 Well Type: MONITORING
Source: EDF Other Name: MW6
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999010&assigned_name=MW6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999010&assigned_name=MW6

F32
East
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000090595

Well ID: T0605999010-MW5 Well Type: MONITORING
Source: EDF Other Name: MW5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999010&assigned_name=MW5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999010&assigned_name=MW5

E33
West
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000080525

Well ID: T0605902028-B-21 Well Type: MONITORING
Source: EDF Other Name: B-21
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902028&assigned_name=B-21&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902028&assigned_name=B-21

E34
West
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000047179

Well ID: T0605902028-B-3 Well Type: MONITORING
Source: EDF Other Name: B-3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902028&assigned_name=B-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902028&assigned_name=B-3

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

E35
West
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000117384

Well ID: T0605902028-B-4 Well Type: MONITORING
Source: EDF Other Name: B-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902028&assigned_name=B-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902028&assigned_name=B-4

F36
East
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000050497

Well ID: T0605999010-MW8 Well Type: MONITORING
Source: EDF Other Name: MW8
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999010&assigned_name=MW8&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999010&assigned_name=MW8

F37
East
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000123959

Well ID: T0605999010-MW2 Well Type: MONITORING
Source: EDF Other Name: MW2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999010&assigned_name=MW2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999010&assigned_name=MW2

F38
East
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000012166

Well ID: T0605999010-MW3 Well Type: MONITORING
Source: EDF Other Name: MW3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999010&assigned_name=MW3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999010&assigned_name=MW3

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

F39
East
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000039335

Well ID: T0605999010-MW4 Well Type: MONITORING
Source: EDF Other Name: MW4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999010&assigned_name=MW4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999010&assigned_name=MW4

F40
East
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000111990

Well ID: T0605999010-MW1 Well Type: MONITORING
Source: EDF Other Name: MW1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999010&assigned_name=MW1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999010&assigned_name=MW1

F41
East
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000059559

Well ID: T0605999010-MW9 Well Type: MONITORING
Source: EDF Other Name: MW9
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605999010&assigned_name=MW9&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605999010&assigned_name=MW9

G42
NNW
1/2 - 1 Mile
Higher

CA WELLS CADDW0000019666

Well ID: 3010038-073 Well Type: MUNICIPAL
Source: Department of Health Services
Other Name: WELL 40 GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3010038-073&store_num=
GeoTracker Data: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

43

East
1/2 - 1 Mile
Higher

FRDS PWS CA3010046

Epa region:	09	State:	CA
Pwsid:	CA3010046	Pwsname:	CITY OF TUSTIN
Cityserved:	Not Reported	Stateserved:	CA
Ziperved:	Not Reported	Fipscounty:	06059
Status:	Active	Retpopsrvd:	62100
Pwssvconn:	14071	Psource longname:	Purch_surface_water
Pwstype:	CWS	Owner:	Local_Govt
Contact:	VALENZUELA, ART	Contactorgname:	VALENZUELA, ART
Contactphone:	714-573-3382	Contactaddress1:	PO BOX 466
Contactaddress2:	Not Reported	Contactcity:	TUSTIN
Contactstate:	CA	Contactzip:	92781
Pwsactivitycode:	A		
Pwsid:	CA3010046	Facid:	18
Facname:	17TH ST DESALTER - INACTIVE	Facactivitycode:	A
Factype:	Treatment_plant	Trtprocess:	reverse osmosis
Trtobjective:	inorganics removal		
Factypecode:	TP		
Pwsid:	CA3010046	Facid:	18
Facname:	17TH ST DESALTER - INACTIVE	Facactivitycode:	A
Factype:	Treatment_plant	Trtprocess:	rapid mix
Trtobjective:	inorganics removal		
Factypecode:	TP		
Pwsid:	CA3010046	Facid:	18
Facname:	17TH ST DESALTER - INACTIVE	Facactivitycode:	A
Factype:	Treatment_plant	Trtprocess:	gaseous chlorination, post
Trtobjective:	disinfection		
Factypecode:	TP		
Pwsid:	CA3010046	Facid:	21
Facname:	MAIN ST DESALTER - INACTIVE	Facactivitycode:	A
Factype:	Treatment_plant	Trtprocess:	ion exchange
Trtobjective:	inorganics removal		
Factypecode:	TP		
Pwsid:	CA3010046	Facid:	21
Facname:	MAIN ST DESALTER - INACTIVE	Facactivitycode:	A
Factype:	Treatment_plant	Trtprocess:	reverse osmosis
Trtobjective:	inorganics removal		
Factypecode:	TP		
Pwsid:	CA3010046	Facid:	21
Facname:	MAIN ST DESALTER - INACTIVE	Facactivitycode:	A
Factype:	Treatment_plant	Trtprocess:	rapid mix
Trtobjective:	inorganics removal		
Factypecode:	TP		
Pwsid:	CA3010046	Facid:	21
Facname:	MAIN ST DESALTER - INACTIVE	Facactivitycode:	A
Factype:	Treatment_plant	Trtprocess:	gaseous chlorination, post
Trtobjective:	disinfection		
Factypecode:	TP		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	CA3010046	Facid:	2700
Facname:	YORBA - CHLORINATION	XCLD	
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		
Pwsid:	CA3010046	Facid:	2704
Facname:	17TH ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		
Pwsid:	CA3010046	Facid:	2704
Facname:	17TH ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	inorganics removal
Trtprocess:	rapid mix	Factypecode:	TP
Pwsid:	CA3010046	Facid:	2704
Facname:	17TH ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	inorganics removal
Trtprocess:	reverse osmosis	Factypecode:	TP
Pwsid:	CA3010046	Facid:	2707
Facname:	VANDENBERG WELL - CHLORINATION	XCLD	
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		
Pwsid:	CA3010046	Facid:	2708
Facname:	MAIN ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		
Pwsid:	CA3010046	Facid:	2708
Facname:	MAIN ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	inorganics removal
Trtprocess:	rapid mix	Factypecode:	TP
Pwsid:	CA3010046	Facid:	2708
Facname:	MAIN ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	inorganics removal
Trtprocess:	reverse osmosis	Factypecode:	TP
Pwsid:	CA3010046	Facid:	2708
Facname:	MAIN ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	inorganics removal
Trtprocess:	ion exchange	Factypecode:	TP
Pwsid:	CA3010046	Facid:	2712
Facname:	WALNUT WELL 77 - CHLORINATION	XCLD	
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		
Pwsid:	CA3010046	Facid:	2713
Facname:	PASADENA WELL - CHLORINATION	- XCLD	
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		
Pwsid:	CA3010046	Facid:	2720

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facname:	BENETA NITRATE BLENDING	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	inorganics removal
Trtprocess:	rapid mix	Factypecode:	TP
Pwsid:	CA3010046	Facid:	CA3010046018
Facname:	17TH ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	inorganics removal
Trtprocess:	reverse osmosis	Factypecode:	TP
Pwsid:	CA3010046	Facid:	CA3010046018
Facname:	17TH ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	inorganics removal
Trtprocess:	rapid mix	Factypecode:	TP
Pwsid:	CA3010046	Facid:	CA3010046018
Facname:	17TH ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		
Pwsid:	CA3010046	Facid:	CA3010046021
Facname:	MAIN ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	inorganics removal
Trtprocess:	ion exchange	Factypecode:	TP
Pwsid:	CA3010046	Facid:	CA3010046021
Facname:	MAIN ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	inorganics removal
Trtprocess:	reverse osmosis	Factypecode:	TP
Pwsid:	CA3010046	Facid:	CA3010046021
Facname:	MAIN ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	inorganics removal
Trtprocess:	rapid mix	Factypecode:	TP
Pwsid:	CA3010046	Facid:	CA3010046021
Facname:	MAIN ST DESALTER	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		
Pwsid:	CA3010046	Facid:	CA3010046031
Facname:	WALNUT WELL 77 - CHLORINATION	XCLD	
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		
PWS ID:	CA3010046	PWS name:	CITY OF TUSTIN
Address:	Not Reported	Care of:	Not Reported
City:	TUSTIN	State:	CA
Zip:	92680	Owner:	CITY OF TUSTIN
Source code:	Ground water	Population:	52100
PWS ID:	CA3010046	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS name:	City of Tustin
PWS type code:	C	Retail population served:	62100
Contact:	Frederick J. Adjarian	Contact address:	PO Box 466
Contact address:	Tustin	Contact city:	CA
Contact state:	92	Contact zip:	7145733381
Contact telephone:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

County:	ORANGE	Source:	Ground water
Treatment Objective:	DISINFECTION	Process:	GASEOUS CHLORINATION, POST
Population:	52100		
County:	ORANGE	Source:	Ground water
Treatment Objective:	INORGANICS REMOVAL	Process:	RAPID MIX
Population:	52100		
County:	ORANGE	Source:	Ground water
Treatment Objective:	INORGANICS REMOVAL	Process:	REVERSE OSMOSIS
Population:	52100		
PWS ID:	CA3010046	Activity status:	Active
Date system activated:	7706	Date system deactivated:	Not Reported
Retail population:	00052100	System name:	CITY OF TUSTIN
System address:	Not Reported	System address:	P.O. BOX 466
System city:	TUSTIN	System state:	CA
System zip:	92680		
County FIPS:	Not Reported	City served:	TUSTIN
County FIPS:	059	City served:	TUSTIN
Population served:	50,001 - 75,000 Persons	Treatment:	Mixed (treated and untreated)
Latitude:	334444	Longitude:	1174931
Violation id:	708006	Orig code:	S
State:	CA	Violation Year:	2006
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	26	Violation name:	Monitoring, Repeat Minor (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	11/01/2006
Cmp edt:	11/30/2006		
Violation ID:	708006	Orig Code:	S
Enforcemnt FY:	2007	Enforcement Action:	12/15/2006
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	708006	Orig Code:	S
Enforcemnt FY:	2007	Enforcement Action:	12/15/2006
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	Not Reported	Orig Code:	F
Enforcemnt FY:	2000	Enforcement Action:	03/01/2000
Enforcement Detail:	Fed Compliance achieved	Enforcement Category:	Not Reported
PWS name:	City of Tustin	Population served:	62100
PWS type code:	C	Violation ID:	0708006
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Repeat Minor (TCR)
Compliance start date:	11/1/2006 0:00:00	Compliance end date:	11/30/2006 0:00:00
Enforcement date:	12/15/2006 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		
PWS name:	City of Tustin	Population served:	62100
PWS type code:	C	Violation ID:	0708006
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Repeat Minor (TCR)
Compliance start date:	11/1/2006 0:00:00	Compliance end date:	11/30/2006 0:00:00
Enforcement date:	12/15/2006 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

G44
NNW
1/2 - 1 Mile
Higher

CA WELLS CADWR8000005338

State Well #:	05S09W08G002S	Station ID:	25141
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Coastal Plain Of Orange County		
Well Completion Rpt #:	Not Reported		

H45
ESE
1/2 - 1 Mile
Lower

CA WELLS CADWR0000024680

Well ID:	05S09W16B003S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S09W16B003S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S09W16B003S&store_num=		
GeoTracker Data:	Not Reported		

H46
ESE
1/2 - 1 Mile
Lower

CA WELLS CADWR0000026641

Well ID:	05S09W16B004S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	05S09W16B004S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S09W16B004S&store_num=		
GeoTracker Data:	Not Reported		

47
South
1/2 - 1 Mile
Lower

Site ID:	083001565T
Groundwater Flow:	Not Reported
Shallow Water Depth:	45.65
Deep Water Depth:	51.00
Average Water Depth:	Not Reported
Date:	09/22/1995

AQUIFLOW 68262

I48
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000124623

Well ID:	T0605902267-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=MW-10		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

I49
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000114755

Well ID: T0605902267-MW-1 Well Type: MONITORING
Source: EDF Other Name: MW-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=MW-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=MW-1

I50
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000038397

Well ID: T0605902267-MW-11 Well Type: MONITORING
Source: EDF Other Name: MW-11
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=MW-11&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=MW-11

I51
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000114604

Well ID: T0605902267-MW-5 Well Type: MONITORING
Source: EDF Other Name: MW-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=MW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=MW-5

J52
SSE
1/2 - 1 Mile
Lower

Site ID: 083002080T
Groundwater Flow: Not Reported
Shallow Water Depth: Not Reported
Deep Water Depth: Not Reported
Average Water Depth: 46
Date: 09/29/1995

AQUIFLOW 38948

I53
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000125967

Well ID: T0605902267-DP-6 Well Type: MONITORING
Source: EDF Other Name: DP-6

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=DP-6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=DP-6

I54 South 1/2 - 1 Mile Lower

CA WELLS CAEDF0000017467

Well ID: T0605902267-DP-3 Well Type: MONITORING
Source: EDF Other Name: DP-3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=DP-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=DP-3

J55 SSE 1/2 - 1 Mile Lower

Site ID: 083001565T
Groundwater Flow: Not Reported
Shallow Water Depth: 45.65
Deep Water Depth: 51.00
Average Water Depth: Not Reported
Date: 09/22/1995

AQUIFLOW 68263

I56 South 1/2 - 1 Mile Lower

CA WELLS CAEDF0000119512

Well ID: T0605902267-MW-2 Well Type: MONITORING
Source: EDF Other Name: MW-2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=MW-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=MW-2

I57 South 1/2 - 1 Mile Lower

CA WELLS CAEDF0000115435

Well ID: T0605902267-DP-1D Well Type: MONITORING
Source: EDF Other Name: DP-1D
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=DP-1D&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=DP-1D

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

I58
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000075732

Well ID: T0605902267-DP-2 Well Type: MONITORING
Source: EDF Other Name: DP-2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=DP-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=DP-2

I59
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000079674

Well ID: T0605902267-MW-13 Well Type: MONITORING
Source: EDF Other Name: MW-13
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=MW-13&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=MW-13

I60
SSW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000044692

Well ID: T0605902267-MW-7 Well Type: MONITORING
Source: EDF Other Name: MW-7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=MW-7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=MW-7

I61
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000000406

Well ID: T0605902267-DP-5 Well Type: MONITORING
Source: EDF Other Name: DP-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=DP-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=DP-5

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

I62
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000097784

Well ID: T0605902267-MW-3 Well Type: MONITORING
Source: EDF Other Name: MW-3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=MW-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=MW-3

I63
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000126330

Well ID: T0605902267-MW-12 Well Type: MONITORING
Source: EDF Other Name: MW-12
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=MW-12&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=MW-12

I64
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000053594

Well ID: T0605902267-DP-7 Well Type: MONITORING
Source: EDF Other Name: DP-7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=DP-7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=DP-7

I65
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000008037

Well ID: T0605902267-MW-4 Well Type: MONITORING
Source: EDF Other Name: MW-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=MW-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=MW-4

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

I66
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000098009

Well ID: T0605902267-DP-4 Well Type: MONITORING
Source: EDF Other Name: DP-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=DP-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=DP-4

I67
SSW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000105484

Well ID: T0605902267-MW-6 Well Type: MONITORING
Source: EDF Other Name: MW-6
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=MW-6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=MW-6

K68
West
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000006273

Well ID: T0605901646-MW-7 Well Type: MONITORING
Source: EDF Other Name: MW-7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901646&assigned_name=MW-7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901646&assigned_name=MW-7

I69
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000064597

Well ID: T0605902267-MW-8 Well Type: MONITORING
Source: EDF Other Name: MW-8
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=MW-8&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=MW-8

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

I70
SSW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000083909

Well ID: T0605902267-MW-9 Well Type: MONITORING
Source: EDF Other Name: MW-9
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=MW-9&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=MW-9

L71
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000082257

Well ID: T0605902123-MW8 Well Type: MONITORING
Source: EDF Other Name: MW8
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902123&assigned_name=MW8&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902123&assigned_name=MW8

K72
West
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000076468

Well ID: T0605901646-MW-3 Well Type: MONITORING
Source: EDF Other Name: MW-3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901646&assigned_name=MW-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901646&assigned_name=MW-3

K73
West
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000082217

Well ID: T0605901646-MW-2 Well Type: MONITORING
Source: EDF Other Name: MW-2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901646&assigned_name=MW-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901646&assigned_name=MW-2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

I74
South
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000084368

Well ID: T0605902267-MW-15 Well Type: MONITORING
Source: EDF Other Name: MW-15
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=MW-15&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=MW-15

K75
West
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000055046

Well ID: T0605901646-SB-4 Well Type: MONITORING
Source: EDF Other Name: SB-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901646&assigned_name=SB-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901646&assigned_name=SB-4

I76
SSW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000089040

Well ID: T0605902267-MW-14 Well Type: MONITORING
Source: EDF Other Name: MW-14
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902267&assigned_name=MW-14&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902267&assigned_name=MW-14

K77
West
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000089185

Well ID: T0605901646-MW-6 Well Type: MONITORING
Source: EDF Other Name: MW-6
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901646&assigned_name=MW-6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901646&assigned_name=MW-6

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

K78
West
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000121930

Well ID: T0605901646-MW-5 Well Type: MONITORING
Source: EDF Other Name: MW-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901646&assigned_name=MW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901646&assigned_name=MW-5

K79
West
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000049343

Well ID: T0605901646-SB-1 Well Type: MONITORING
Source: EDF Other Name: SB-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901646&assigned_name=SB-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901646&assigned_name=SB-1

K80
West
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000091582

Well ID: T0605901646-SB-5 Well Type: MONITORING
Source: EDF Other Name: SB-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901646&assigned_name=SB-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901646&assigned_name=SB-5

K81
West
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000140806

Well ID: T0605901646-MW-1 Well Type: MONITORING
Source: EDF Other Name: MW-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901646&assigned_name=MW-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901646&assigned_name=MW-1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

K82
West
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000089623

Well ID: T0605901646-MW-4 Well Type: MONITORING
Source: EDF Other Name: MW-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901646&assigned_name=MW-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901646&assigned_name=MW-4

M83
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000129080

Well ID: T0605902123-MW3 Well Type: MONITORING
Source: EDF Other Name: MW3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902123&assigned_name=MW3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902123&assigned_name=MW3

L84
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000031669

Well ID: T0605902123-MW7 Well Type: MONITORING
Source: EDF Other Name: MW7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902123&assigned_name=MW7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902123&assigned_name=MW7

L85
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000051553

Well ID: T0605902123-MW4 Well Type: MONITORING
Source: EDF Other Name: MW4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902123&assigned_name=MW4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902123&assigned_name=MW4

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

L86
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000004956

Well ID: T0605902123-MW1 Well Type: MONITORING
Source: EDF Other Name: MW1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902123&assigned_name=MW1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902123&assigned_name=MW1

M87
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000083353

Well ID: T0605902123-VEW1 Well Type: MONITORING
Source: EDF Other Name: VEW1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902123&assigned_name=VEW1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902123&assigned_name=VEW1

N88
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000038954

Well ID: T0605901944-MW-3 Well Type: MONITORING
Source: EDF Other Name: MW-3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901944&assigned_name=MW-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901944&assigned_name=MW-3

M89
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000125137

Well ID: T0605902123-MW2 Well Type: MONITORING
Source: EDF Other Name: MW2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902123&assigned_name=MW2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902123&assigned_name=MW2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

N90
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000121265

Well ID: T0605901944-MW-1 Well Type: MONITORING
Source: EDF Other Name: MW-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901944&assigned_name=MW-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901944&assigned_name=MW-1

M91
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000100592

Well ID: T0605902123-MW5 Well Type: MONITORING
Source: EDF Other Name: MW5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902123&assigned_name=MW5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902123&assigned_name=MW5

N92
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000018118

Well ID: T0605901944-MW-2 Well Type: MONITORING
Source: EDF Other Name: MW-2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605901944&assigned_name=MW-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605901944&assigned_name=MW-2

M93
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000086316

Well ID: T0605902123-MW6 Well Type: MONITORING
Source: EDF Other Name: MW6
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902123&assigned_name=MW6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902123&assigned_name=MW6

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

O94
East
1/2 - 1 Mile
Lower

CA WELLS CALLNL000000481

Well ID:	100728	Well Type:	MUNICIPAL
Source:	Lawrence Livermore National Laboratory		
Other Name:	05S/09W-16C01 S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	Not Reported		
GeoTracker Data:	Not Reported		

Chemical:	Argon	Results:	.000529033
Units:	cm3STP/g	Date:	05/18/2001

Chemical:	Tritium (Hydrogen 3)	Results:	19.54
Units:	pCi/L	Date:	10/08/2001

Chemical:	Neon	Results:	.000000475777
Units:	cm3STP/g	Date:	05/18/2001

Chemical:	Helium-3/Helium-4	Results:	.00000181027
Units:	atom ratio	Date:	05/18/2001

Chemical:	Helium-4	Results:	.000000219799
Units:	cm3STP/g	Date:	05/18/2001

Chemical:	Xenon	Results:	.0000000121101
Units:	cm3STP/g	Date:	05/18/2001

Chemical:	Krypton	Results:	.0000000981772
Units:	cm3STP/g	Date:	05/18/2001

O95
East
1/2 - 1 Mile
Lower

FED USGS USGS40000137742

Organization ID:	USGS-CA	Type:	Well
Organization Name:	USGS California Water Science Center	HUC:	Not Reported
Monitor Location:	005S009W16C001S	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Units:	Not Reported
Drainage Area:	Not Reported		
Contrib Drainage Area:	Not Reported		
Aquifer:	California Coastal Basin aquifers	Aquifer Type:	Not Reported
Formation Type:	Not Reported	Well Depth:	630
Construction Date:	19720707	Well Hole Depth:	630
Well Depth Units:	ft		
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1972-08-10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Feet below surface: 141 Feet to sea level: Not Reported
Note: Other conditions existed that would affect the measured water level.

O96
East
1/2 - 1 Mile
Lower

CA WELLS CAUSGSN00008714

Well ID: USGS-334433117491901 Well Type: UNK
Source: United States Geological Survey
Other Name: USGS-334433117491901 GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334433117491901&store_num=
GeoTracker Data: Not Reported

O97
East
1/2 - 1 Mile
Lower

CA WELLS CADWR8000005263

State Well #: 05S09W16B002S Station ID: 5790
Well Name: Not Reported Well Use: Unknown
Well Type: Unknown Well Depth: 0
Basin Name: Coastal Plain Of Orange County
Well Completion Rpt #: Not Reported

O98
ESE
1/2 - 1 Mile
Lower

CA WELLS CADWR0000012728

Well ID: 05S09W16C001S Well Type: UNK
Source: Department of Water Resources
Other Name: 05S09W16C001S GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S09W16C001S&store_num=
GeoTracker Data: Not Reported

O99
East
1/2 - 1 Mile
Lower

FED USGS USGS40000137741

Organization ID: USGS-CA
Organization Name: USGS California Water Science Center
Monitor Location: 005S009W16B004S Type: Well
Description: Not Reported HUC: 18070204
Drainage Area: Not Reported Drainage Area Units: Not Reported
Contrib Drainage Area: Not Reported Contrib Drainage Area Units: Not Reported
Aquifer: California Coastal Basin aquifers
Formation Type: Not Reported Aquifer Type: Not Reported
Construction Date: Not Reported Well Depth: Not Reported
Well Depth Units: Not Reported Well Hole Depth: Not Reported
Well Hole Depth Units: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

O100
East
1/2 - 1 Mile
Lower

FED USGS USGS40000137739

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S009W16B002S	Type:	Well
Description:	Not Reported	HUC:	18070204
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19260000	Well Depth:	400
Well Depth Units:	ft	Well Hole Depth:	400
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	5	Level reading date:	1986-08-22
Feet below surface:	95.59	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1986-05-07	Feet below surface:	91.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-03-05	Feet below surface:	90.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-11-13	Feet below surface:	93.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-12-28	Feet below surface:	161.00
Feet to sea level:	Not Reported	Note:	Not Reported

O101
East
1/2 - 1 Mile
Lower

FED USGS USGS40000137740

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S009W16B003S	Type:	Well
Description:	Not Reported	HUC:	18070204
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

O102
East
1/2 - 1 Mile
Lower

CA WELLS CAUSGSN00017304

Well ID: USGS-334433117491403 Well Type: UNK
Source: United States Geological Survey
Other Name: USGS-334433117491403 GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334433117491403&store_num=
GeoTracker Data: Not Reported

O103
East
1/2 - 1 Mile
Lower

CA WELLS CAUSGSN00007202

Well ID: USGS-334433117491404 Well Type: UNK
Source: United States Geological Survey
Other Name: USGS-334433117491404 GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334433117491404&store_num=
GeoTracker Data: Not Reported

104
North
1/2 - 1 Mile
Higher

CA WELLS CADWR8000005373

State Well #: 05S09W08B002S Station ID: 38723
Well Name: Not Reported Well Use: Unknown
Well Type: Unknown Well Depth: 0
Basin Name: Coastal Plain Of Orange County
Well Completion Rpt #: Not Reported

O105
East
1/2 - 1 Mile
Lower

CA WELLS CADDW0000016277

Well ID: 3010046-008 Well Type: MUNICIPAL
Source: Department of Health Services
Other Name: MAIN STREET WELL 03 GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3010046-008&store_num=
GeoTracker Data: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

P106
West
1/2 - 1 Mile
Lower

CA WELLS CADDW0000018115

Well ID: 3000757-001 Well Type: MUNICIPAL
Source: Department of Health Services
Other Name: WELL 01 - ABANDONED GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3000757-001&store_num=
GeoTracker Data: Not Reported

Q107
SE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000065392

Well ID: T0605900512-W-4 Well Type: MONITORING
Source: EDF Other Name: W-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900512&assigned_name=W-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900512&assigned_name=W-4

Q108
SE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000078564

Well ID: T0605900512-W-3 Well Type: MONITORING
Source: EDF Other Name: W-3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900512&assigned_name=W-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900512&assigned_name=W-3

O109
East
1/2 - 1 Mile
Lower

CA WELLS CADWR8000005262

State Well #: 05S09W16B005S Station ID: 27584
Well Name: Not Reported Well Use: Unknown
Well Type: Unknown Well Depth: 0
Basin Name: Coastal Plain Of Orange County
Well Completion Rpt #: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

O110
East
1/2 - 1 Mile
Lower

CA WELLS CADWR0000024564

Well ID: 05S09W16B005S Well Type: UNK
Source: Department of Water Resources
Other Name: 05S09W16B005S GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=05S09W16B005S&store_num=
GeoTracker Data: Not Reported

R111
ESE
1/2 - 1 Mile
Lower

CA WELLS CADDW0000007618

Well ID: 3010046-007 Well Type: MUNICIPAL
Source: Department of Health Services
Other Name: MAIN STREET WELL 02 - ABANDONED
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3010046-007&store_num=
GeoTracker Data: Not Reported

Q112
SE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000070040

Well ID: T0605900512-MW-11 Well Type: MONITORING
Source: EDF Other Name: MW-11
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900512&assigned_name=MW-11&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900512&assigned_name=MW-11

Q113
SE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000016909

Well ID: T0605900512-W-1 Well Type: MONITORING
Source: EDF Other Name: W-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900512&assigned_name=W-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900512&assigned_name=W-1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

Q114
SE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000139133

Well ID:	T0605900512-W-2	Well Type:	MONITORING
Source:	EDF	Other Name:	W-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900512&assigned_name=W-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900512&assigned_name=W-2		

115
SW
1/2 - 1 Mile
Lower

FED USGS USGS40000137604

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S009W17N002S	Type:	Well
Description:	Not Reported	HUC:	18070204
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	400
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels, Number of Measurements:	15	Level reading date:	1985-08-16
Feet below surface:	80.83	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1985-05-09	Feet below surface:	73.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-02-15	Feet below surface:	70.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-10-30	Feet below surface:	73.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-08-13	Feet below surface:	69.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-05-11	Feet below surface:	62.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-02-07	Feet below surface:	58.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-11-08	Feet below surface:	63.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-08-15	Feet below surface:	69.63
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1983-05-16	Feet below surface:	70.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-02-09	Feet below surface:	75.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-05	Feet below surface:	81.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-08-09	Feet below surface:	80.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-04-30	Feet below surface:	74.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-12-18	Feet below surface:	76.95
Feet to sea level:	Not Reported	Note:	Not Reported

Q116
SE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000084236

Well ID:	T0605900512-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900512&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900512&assigned_name=MW-9		

Q117
SE
1/2 - 1 Mile
Lower

AQUIFLOW 34226

Site ID:	083000459T
Groundwater Flow:	NW
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	45'
Date:	07/07/1995

S118
ESE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000112224

Well ID:	T0605902280-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=MW2		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

Q119
SE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000015511

Well ID: T0605900512-W-5 Well Type: MONITORING
Source: EDF Other Name: W-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900512&assigned_name=W-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900512&assigned_name=W-5

Q120
SE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000070671

Well ID: T0605900512-W-6 Well Type: MONITORING
Source: EDF Other Name: W-6
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900512&assigned_name=W-6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900512&assigned_name=W-6

S121
ESE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000103372

Well ID: T0605902280-MW7 Well Type: MONITORING
Source: EDF Other Name: MW7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=MW7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=MW7

S122
ESE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000101901

Well ID: T0605902280-MW1 Well Type: MONITORING
Source: EDF Other Name: MW1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=MW1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=MW1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

S123
ESE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000003120

Well ID:	T0605902280-AS3	Well Type:	MONITORING
Source:	EDF	Other Name:	AS3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=AS3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=AS3		

T124
ENE
1/2 - 1 Mile
Higher

FED USGS USGS40000137878

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005S009W09K001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Alluvium	Aquifer Type:	Unconfined single aquifer
Construction Date:	19840701	Well Depth:	1180
Well Depth Units:	ft	Well Hole Depth:	1470
Well Hole Depth Units:	ft		

Ground water levels, Number of Measurements:	2	Level reading date:	2004-03-08
Feet below surface:	169.5	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1998-11-05	Feet below surface:	205
Feet to sea level:	Not Reported	Note:	Not Reported

T125
ENE
1/2 - 1 Mile
Higher

CA WELLS CAUSGSN00016070

Well ID:	USGS-334504117491901	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-334504117491901	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-334504117491901&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

T126
ENE
1/2 - 1 Mile
Higher

CA WELLS CAUSGS000002625

Well ID: CLABOC-10 Well Type: MUNICIPAL
Source: United States Geological Survey
Other Name: CLABOC-10 GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGS&samp_date=&global_id=&assigned_name=CLABOC-10&store_num=
GeoTracker Data: Not Reported

S127
ESE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000083149

Well ID: T0605902280-MW6 Well Type: MONITORING
Source: EDF Other Name: MW6
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=MW6&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=MW6

S128
ESE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000023635

Well ID: T0605902280-AS2 Well Type: MONITORING
Source: EDF Other Name: AS2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=AS2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=AS2

S129
ESE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000141721

Well ID: T0605902280-MW3 Well Type: MONITORING
Source: EDF Other Name: MW3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=MW3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=MW3

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

U130
West
1/2 - 1 Mile
Lower

CA WELLS CADWR8000005278

State Well #:	05S09W18A001S	Station ID:	27588
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Coastal Plain Of Orange County		
Well Completion Rpt #:	Not Reported		

U131
West
1/2 - 1 Mile
Lower

CA WELLS CADWR8000005274

State Well #:	05S09W18A002S	Station ID:	5796
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Coastal Plain Of Orange County		
Well Completion Rpt #:	Not Reported		

S132
ESE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000127371

Well ID:	T0605902280-AS1	Well Type:	MONITORING
Source:	EDF	Other Name:	AS1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=AS1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=AS1		

Q133
SE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000138181

Well ID:	T0605900512-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900512&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900512&assigned_name=MW-10		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

S134
ESE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000097001

Well ID: T0605902280-MW4 Well Type: MONITORING
Source: EDF Other Name: MW4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=MW4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=MW4

S135
ESE
1/2 - 1 Mile
Lower

Site ID: 083000716T
Groundwater Flow: E
Shallow Water Depth: 56.45
Deep Water Depth: 63.5
Average Water Depth: Not Reported
Date: 09/13/1990

AQUIFLOW 65081

Q136
SE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000016334

Well ID: T0605900369-B-22 Well Type: MONITORING
Source: EDF Other Name: B-22
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-22&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-22

S137
ESE
1/2 - 1 Mile
Lower

CA WELLS CAEDF00000101520

Well ID: T0605902280-MW5 Well Type: MONITORING
Source: EDF Other Name: MW5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605902280&assigned_name=MW5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605902280&assigned_name=MW5

Q138
SE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000031818

Well ID: T0605900369-B-18 Well Type: MONITORING
Source: EDF Other Name: B-18

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-18&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-18

Q139
SE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000015987

Well ID: T0605900369-B-7 Well Type: MONITORING
Source: EDF Other Name: B-7
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-7

Q140
SE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000121867

Well ID: T0605900369-B-25 Well Type: MONITORING
Source: EDF Other Name: B-25
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-25&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-25

Q141
SE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000080559

Well ID: T0605900369-B-24 Well Type: MONITORING
Source: EDF Other Name: B-24
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-24&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-24

P142
West
1/2 - 1 Mile
Lower

CA WELLS 6137

Seq: 6137 Prim sta c: 05S/09W-18A01 S
Frds no: 3000757001 County: 30
District: 08 User id: TEE
System no: 3000757 Water type: G

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Source nam:	WELL 01 - ABANDONED	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	334448.0	Longitude:	1175112.0
Precision:	3	Status:	AB
Comment 1:	1107 E WALNUT ST SANTA ANA	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3000757	System nam:	Diamond Newport Corporation
Hqname:	Not Reported	Address:	1105 E. WALNUT ST.
City:	SANTA ANA	State:	CA
Zip:	92701	Zip ext:	Not Reported
Pop serv:	100	Connection:	1
Area serve:	Not Reported		

R143 East 1/2 - 1 Mile Lower

CA WELLS CADDW0000019477

Well ID:	3010046-017	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	MAIN STREET WELL 04	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3010046-017&store_num=		
GeoTracker Data:	Not Reported		

Q144 SE 1/2 - 1 Mile Lower

CA WELLS CAEDF0000086412

Well ID:	T0605900369-B-1	Well Type:	MONITORING
Source:	EDF	Other Name:	B-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-1		

145 ESE 1/2 - 1 Mile Lower

Site ID:	083001385T
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	70
Date:	10/30/1992

AQUIFLOW 67258

Q146 SE 1/2 - 1 Mile Lower

CA WELLS CAEDF0000093922

Well ID:	T0605900369-B-23	Well Type:	MONITORING
Source:	EDF	Other Name:	B-23
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0605900369&assigned_name=B-23&store_num=		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

GeoTracker Data:

https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0605900369&assigned_name=B-23

1G NE 1/4 - 1/2 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083002544T NW 81.95 91.95 Not Reported 03/19/1996	AQUIFLOW	52033
2G ENE 1/8 - 1/4 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083001069T Not Reported Not Reported Not Reported 90 ft 07/05/1989	AQUIFLOW	51977
3G ESE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083001385T Not Reported Not Reported Not Reported 70 10/30/1992	AQUIFLOW	67258
4G ESE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083000716T E 56.45 63.5 Not Reported 09/13/1990	AQUIFLOW	65081
5G SE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083000459T NW Not Reported Not Reported 45' 07/07/1995	AQUIFLOW	34226
6G SSE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083002080T Not Reported Not Reported Not Reported 46 09/29/1995	AQUIFLOW	38948
7G SSE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083001565T Not Reported 45.65 51.00 Not Reported 09/22/1995	AQUIFLOW	68263

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

8G
South
1/2 - 1 Mile
Lower

Site ID: 083001565T
Groundwater Flow: Not Reported
Shallow Water Depth: 45.65
Deep Water Depth: 51.00
Average Water Depth: Not Reported
Date: 09/22/1995

AQUIFLOW 68262

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92705	64	5

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for ORANGE COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.763 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program

State Water Resources Control Board

Telephone: 916-341-5577

The GAMA Program is California's comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Health Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations

Source: Dept of Conservation, Geologic Energy Management Division

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United States Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX D: QUALIFICATIONS

Education

B.S. in Architecture - California Polytechnic State University, San Luis Obispo

Registrations

Department of Toxic Substance Control (DTSC) Registered Environmental Assessor (REA) – No. I-07434
Registered Architect – California (C-12853)

Experience Summary

Mr. Christian has over 25 years of consulting experience in the environmental and property condition assessment industry. He has conducted Environmental Site Assessments (ESAs) and Property Condition Assessments (PCAs) for a wide range of local and national clients, including: banks, agency lenders, investment banks, life companies, law firms and property owners. The properties he has evaluated have included multi-family residential, retail, office, industrial and hospitality.

Although, Mr. Christian is a trained and licensed architect, he has been conducting Phase I ESAs since 1998. He gained a strong foundation in conducting ESAs while working for various national due diligence firms between 1998 through 2009. Since 2009, he has been supporting his own clients and national firms in conducting these assessments as part of real estate transactions.

He has conducted hundreds of environmental site assessments in accordance with ASTM E1527, the USEPA All Appropriate Inquiry rules, agency guidelines and other client specific scopes of work. His environmental background includes a detailed understanding of the risks associated with hazardous and regulated materials storage, use generation and disposal, above ground (AST) and underground storage tanks (UST), polychlorinated biphenyls (PCBs), asbestos-containing materials (ACM), lead-based paint (LBP), mold and radon.

Prior to 1998 and as early as 1977, Mr. Christian has been serving in an architectural, planner, project manager and construction services role.

Education

B.S., in Environmental Science, University of California, Los Angeles
Minor in Environmental Health Science

Registrations

AHERA Certified Asbestos Building Inspector, AIR030816612N9319
Environmental Management Certificate Program (University of California, Irvine- University Extension)

Training

Asbestos Building Inspector Initial Course

Highlights

8 years in the environmental consulting industry
8 years of experience performing due diligence assessments including Phase I site Assessments, Transaction Screen Assessments and Environmental Desktop Reports

Experience Summary

Ms. Nguyen currently holds the role of a Project Manager and her responsibilities include managing and performing Phase I Site Assessments in line with the American Society of Testing and Materials (ASTM) standard and US Environmental Protection Agency's All Appropriate Inquiry (AAI) as well as customized client formats. In addition, Ms. Nguyen performs limited asbestos surveys, lead-based paint surveys and radon testing as required per scope of work. Ms. Nguyen also serves as a technical reviewer on environmental due diligence assessments.

Ms. Nguyen has been responsible for the completion of Phase I Site Assessments for various properties including gas stations, dry cleaners, manufacturing sites, industrial/warehouse facilities, hotels, office buildings, retail shopping centers, machine shops, auto repair facilities, cell phone data towers and associated land, recycling facilities, and multi-use commercial/residential buildings. Ms. Nguyen has coordinated the completion of various assessments across the United States.

Project Experience

Ms. Nguyen has over eight years of experience performing due diligence assessments for a variety of property types, as detailed above. For each assessment she reviews the condition of the building structure and systems and develops a thorough report.

Phase I Environmental Site Assessment, Gasoline service stations, Nationwide. Ms. Nguyen conducted, managed, and/or reviewed Phase I Environmental Site Assessments on operating and closed gasoline service stations throughout the continental United States and Hawaii. Conducted extensive reviews of subsurface investigations to evaluate the potential for the presence of residual contamination or undiscovered contamination to remain in place.

Phase I Environmental Site Assessment, Various Apartment Complexes, Nationwide. Ms. Nguyen conducted, managed and performed quality control oversight for the completion of numerous Phase I Environmental

Site Assessments in accordance with the Fannie Mae scope of work for various apartment complexes throughout the United States.

Phase I Environmental Site Assessment, Industrial Facilities, Various Locations Throughout Los Angeles and Orange County, California. Ms. Nguyen conducted, managed, and/or reviewed multiple Phase I ESAs for industrial sites of various sizes.

Phase I Environmental Site Assessment, Landfill, Los Angeles and Orange County, California. Ms. Nguyen conducted and reviewed several Phase I ESA for former landfill sites being redeveloped for commercial or residential use.

Phase I Environmental Site Assessment, Hotel, Beverly Hills, California. Ms. Nguyen performed a Phase I ESA for a well-known, five-star, full service hotel with onsite dry cleaning and previous onsite gas station operations.

Contact

cdnguyen@partneresi.com

Education

B.A., Environmental Health & Planning and Criminal Justice, University of California, Irvine

Registrations/Training

OSHA 40-Hour Hazwoper Health and Safety Training
EPA Accredited Asbestos Inspector
EPA Accredited Asbestos Management Planner
EPA Accredited Asbestos Abatement/Contractor Supervisor
HUD Map Underwriter Certification – 2004

Highlights

25 years of experience in national environmental due diligence consulting
Phase I Environmental Site Assessments
Phase II Subsurface Soil/Soil Gas Investigations
Property Condition Assessments
Asbestos/Lead-Based Paint Inspections

Experience Summary

Mr. Vaughn currently serves as a National Client Manager with significant environmental and due diligence engineering experience nationwide. Mr. Vaughn's experience includes two former Engineering News-Record Top 500 Design firms and a Fortune 500 firm. His responsibilities include full-phase environmental consulting, national client management, multi-scope contract negotiation/execution, portfolio project management, and technical report quality control. Mr. Vaughn's regional and national expertise compliments the wide variety of Partner projects and client types including prominent fast-food retail chains, attorneys, commercial developers, mortgage bankers, real estate brokers, individual investors, equity/institutional investment groups, and financial lending institutions, including CMBS lenders, SBA lenders, and GSA (Fannie and Freddie) lenders.

Mr. Vaughn has served as an environmental scientist, project manager, or executive senior author on over 20,000 real estate transactions. Mr. Vaughn's due diligence resume includes experience at all levels, advising lenders and real estate investors through the following product types:

- Phase I Environmental Site Assessments
- Phase II Subsurface Investigations
- Phase III Site Characterizations
- Remedial Cost Estimates
- Remediation Design and Implementation
- Environmental Transaction Screens
- Property Condition Assessments
- Probable Maximum Loss Assessments
- Property Condition Evaluations
- Asbestos Surveys
- Lead-Based Surveys

Real estate investors, redevelopment agencies, financial institutions, insurance lenders, and real estate equity funds have come to rely on his advice and judgment to help them with their real estate business decisions. Mr. Vaughn is a dedicated professional who takes pride and pleasure in meeting his client's needs and spearheading and assembling the team with the expertise to handle any issue that may come up during the transaction.

Project Experience

Multi-Site Portfolio, Nationwide. Managed performance and delivery of summary matrix and completed Phase I reports for a 300+-site portfolio of apartments for a large stakeholder group.

Multi-Site Portfolio, Nationwide. Managed a 350+-site portfolio of bank branches for one of the largest bank mergers the mid-1990s.

High Rise Office Building, San Francisco. Worked on one of the largest high rise acquisitions in San Francisco in 2015 to manage pre-acquisition due diligence for equity investor of a high rise office building in downtown San Francisco. Included a Phase I ESA, equity PCA with specialty evaluations of facade, MEP, Fire and Life Safety, Roof, and ADA.

Multi-Site Gas Station Portfolio, California. Managed performance and delivery of complete reports for a 25-site portfolio of gas stations for national lender.

Multi-Site Fast-Food Portfolio, Midwest. Managed the completion of 25 Phase I ESAs located in the Midwest in a 10-business day turnaround.

Affiliations

Environmental Banks Association
National Retail Tenants Association

Speaking

Due Diligence 101, National Retail Tenants Association, Orlando, FL.

Environmental Due Diligence: What You Don't Know Can Hurt You, National Retail Tenants Association, Reno NV.

Contact

rvaughn@partneresi.com

APPENDIX D

Regulatory Records Documentation

2020 E. 1st Street

2020 E. 1st Street

Santa Ana, CA 92705

Inquiry Number: 07561283.2r

February 06, 2024

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2020 E. 1ST STREET
SANTA ANA, CA 92705

COORDINATES

Latitude (North):	33.7445100 - 33° 44' 40.23"
Longitude (West):	117.8377450 - 117° 50' 15.88"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	422402.4
UTM Y (Meters):	3733949.8
Elevation:	134 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	50006231 TUSTIN, CA
Version Date:	2022
North Map:	50005816 ORANGE, CA
Version Date:	2022

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20200424
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
2020 E. 1ST STREET
SANTA ANA, CA 92705

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	URS	2020 E 1ST ST	AST		TP
A2	KOLL MANAGEMENT SVCS	2020 E FIRST ST	HWTS		TP
A3	URS	2020 E 1ST ST	FINDS		TP
B4	SANTA ANA HONDA	2114	LUST, HIST CORTESE	Higher	89, 0.017, NNE
B5	CHARGER #10	2002 W 001ST ST	CA FID UST	Higher	162, 0.031, NE
C6	AECOM	2110 EAST 1ST STREET	RCRA NonGen / NLR	Lower	207, 0.039, ESE
C7	AECOM	2110 EAST FIRST STRE	RCRA NonGen / NLR	Lower	207, 0.039, ESE
C8	AHLC SANTA ANA FAMIL	2110 E 1ST ST	RCRA NonGen / NLR	Lower	207, 0.039, ESE
C9	AHLC SANTA ANA FAMIL	2110 E 1ST ST	RCRA NonGen / NLR	Lower	207, 0.039, ESE
B10	XPRESS DRY CLEANER	2031 E FIRST ST STE	DRYCLEANERS, HWTS	Higher	234, 0.044, North
B11	SNOWWHITE CLEANERS	2031 E 1ST ST	EDR Hist Cleaner	Higher	234, 0.044, North
B12	XPRESS DRY CLEANER	2031 E FIRST ST STE	RCRA NonGen / NLR	Higher	234, 0.044, North
B13	SNOWWHITE CLEANERS	2031 E 1ST ST #A1	DRYCLEANERS	Higher	234, 0.044, North
B14	NEW CLEANERS	2031 E 1ST ST #A1	DRYCLEANERS	Higher	234, 0.044, North
B15	NEW CLEANERS	2031 E 1ST ST STE A1	DRYCLEANERS, HWTS	Higher	234, 0.044, North
B16	SNOW WHITE DRY CLEAN	2031 E FIRST ST STE	DRYCLEANERS	Higher	234, 0.044, North
B17	NEW CLEANERS	2031 E 1ST ST STE A1	RCRA NonGen / NLR	Higher	234, 0.044, North
B18	SANTA ANA HONDA	2114 E 1ST ST	LUST, CPS-SLIC, SWEEPS UST, HIST UST, Orange Co....	Higher	268, 0.051, NE
B19	HONDA SANTA ANA	2114 E FIRST ST	CA FID UST, RCRA NonGen / NLR, FINDS, ECHO	Higher	268, 0.051, NE
B20	FIRST POINT APARTMEN	2114 E. FIRST ST.	RCRA NonGen / NLR	Higher	268, 0.051, NE
B21	SANTA ANA HONDA	2114 E 1ST ST	UST FINDER RELEASE	Higher	268, 0.051, NE
B22	FIRST POINT APARTMEN	2114 E. 1ST STREET	RCRA NonGen / NLR	Higher	268, 0.051, NE
B23	SANTA ANA PACIFIC AS	2114 E. 1ST	UST	Higher	268, 0.051, NE
B24	ELAN APARTMENTS (SIT	2114 E. FIRST STREET	RCRA NonGen / NLR	Higher	268, 0.051, NE
B25	HONDA SANTA ANA	2114 E FIRST STREET	HIST UST, HWTS, NPDES, CERS	Higher	268, 0.051, NE
D26	ANAHEIM STATIONS	2002 01ST	LUST, HIST CORTESE	Higher	298, 0.056, NW
D27	FREEWAY AUTO BODY	2000 E FIRST ST	RCRA-SQG	Higher	302, 0.057, NW
D28	FREEWAY AUTO BODY	2000 E FIRST ST	RCRA-SQG, SWEEPS UST, HIST UST, CA FID UST, FINDS,...	Higher	302, 0.057, NW
29	A RISING BUILDERS	2202 E 1ST STREET	RCRA NonGen / NLR	Higher	450, 0.085, NE
30	VISTA SANTA FE TRANS	250 N GOLDEN CIRCLE	EDR Hist Auto	Higher	493, 0.093, NNW
31	WELL 31 - STANDBY		PFAS	Lower	535, 0.101, SW
32	NEXUS GARDEN PLAZA		RCRA NonGen / NLR, PFAS ECHO	Higher	667, 0.126, NNE
E33	NEWMARK MANAGEMENT	1820 E. 1ST STREET	RCRA NonGen / NLR	Lower	766, 0.145, West
E34	92631	1814 E 1ST ST	SWEEPS UST, HIST UST	Lower	876, 0.166, West
E35	92631	1814 E FIRST ST	HIST UST	Lower	876, 0.166, West
F36	S TEAM PAINTING	2030 E. 4TH STREET S	RCRA NonGen / NLR	Higher	878, 0.166, North
F37	DUBITEC AMERICA INC	2000 E 4TH ST	PROC	Higher	889, 0.168, NNW
G38	TUSTIN HONDA	100 N TUSTIN AVENUE	HIST UST	Higher	931, 0.176, ENE
G39	LABORATORY CORPORATI	100 N TUSTIN AVE	RCRA NonGen / NLR	Higher	931, 0.176, ENE

MAPPED SITES SUMMARY

Target Property Address:
2020 E. 1ST STREET
SANTA ANA, CA 92705

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
G40	TUSTIN HONDA	100 TUSTIN AVE	HIST UST	Higher	958, 0.181, ENE
41	ROGER HATLEN	16502 LORELEI LANE	RCRA NonGen / NLR	Lower	963, 0.182, SSW
H42	XEROX CENTRE PARTNER	1851 E FIRST ST STE	RCRA-SQG, HWTS, HAZNET	Higher	986, 0.187, WNW
G43	THRIFTY OIL	101 TUSTIN	UST FINDER RELEASE	Higher	998, 0.189, ENE
G44	THRIFTY OIL	101 TUSTIN	LUST, HIST UST, Cortese	Higher	998, 0.189, ENE
G45	THRIFTY OIL	101 TUSTIN AVE	LUST, UST, CERS	Higher	998, 0.189, ENE
I46	KAISER PERMANENTE SA	1900 E 4TH STREET	RCRA-LQG	Higher	1006, 0.191, NNW
I47	KAISER FOUNDATION HO	1900 E 4TH ST	RCRA NonGen / NLR	Higher	1006, 0.191, NNW
F48	THINK TOGETHER	2101 E 4TH ST STE 20	RCRA NonGen / NLR	Higher	1021, 0.193, North
J49	CALIFORNIA COMMERCIA	2212 E 4TH ST	RCRA NonGen / NLR	Higher	1052, 0.199, NNE
J50	ST. JOSEPH HERITAGE	2212 E 4TH ST	RCRA NonGen / NLR	Higher	1052, 0.199, NNE
G51	THRIFTY OIL	101 N TUSTIN AVE	LUST	Higher	1057, 0.200, ENE
G52	THRIFTY OIL	101 N TUSTIN AVE	LUST	Higher	1057, 0.200, ENE
G53	ARCO STN 378	101 N TUSTIN	HIST UST	Higher	1057, 0.200, ENE
F54	S&N LABS, INC.	2021 E 4TH ST STE 11	CERS HAZ WASTE, HWTS, HAZNET, CERS	Higher	1057, 0.200, North
F55	S&N LABS INC	2021 E 4TH ST STE 11	RCRA NonGen / NLR	Higher	1057, 0.200, North
56	HY5 LLC	2001 E. 4TH STREET	RCRA NonGen / NLR	Higher	1066, 0.202, North
H57	92631	1814 E 001ST ST	CA FID UST	Lower	1190, 0.225, WNW
K58	LEGTION AUTO SERVICE	320 N TUSTIN AVE	RCRA NonGen / NLR	Higher	1193, 0.226, NE
K59	LEGION AUTO GROUP	320 N TUSTIN AVE	RCRA NonGen / NLR	Higher	1193, 0.226, NE
K60	GRENROOD TEXACO	320 N TUSTIN AVE	SWEEPS UST, HIST UST	Higher	1193, 0.226, NE
K61	SHELL OIL SERVICE ST	320 TUSTIN AVENUE, N	UST FINDER RELEASE	Higher	1193, 0.226, NE
K62	A & M BUSINESS ENTER	320 N TUSTIN AVE	UST	Higher	1193, 0.226, NE
K63	TEXACO	320 NORTH TUSTIN AVE	UST	Higher	1193, 0.226, NE
K64	A&M BUSINESS ENTERPR	320 N TUSTIN AVE	RCRA NonGen / NLR	Higher	1193, 0.226, NE
K65	A & M BUSINESS ENTER	320 N TUSTIN AVE	UST FINDER	Higher	1193, 0.226, NE
K66	SHELL OIL PRODUCTS U	320 N TUSTIN	RCRA-SQG	Higher	1193, 0.226, NE
K67	SHELL OIL SERVICE ST	320 TUSTIN AVENUE, N	LUST, Cortese, CERS	Higher	1193, 0.226, NE
K68	GRENROOD TEXACO	320 NO TUSTIN AVE	CERS HAZ WASTE, HIST UST, CERS TANKS, HWTS,...	Higher	1193, 0.226, NE
K69	TEXACO	320 TUSTIN AND FOURT	HIST UST, CA FID UST	Higher	1193, 0.226, NE
K70	CHEVRON STATION 9760	325 N. TUSTIN	UST	Higher	1238, 0.234, NE
K71	CHEVRON SERVICE STAT	325 TUSTIN AVE. N	LUST, Cortese, CERS	Higher	1238, 0.234, NE
K72	CHEVRON #9-7601	325 TUSTIN AVE. N	UST FINDER RELEASE	Higher	1238, 0.234, NE
L73	SHELL SERVICE STATIO	401 TUSTIN	LUST, HIST CORTESE	Higher	1417, 0.268, NE
M74	COMPAK FOODS		ENVIROSTOR	Lower	1485, 0.281, WNW
M75	COMPAK FOODS		FUDS	Lower	1502, 0.284, WNW
L76	SHELL OIL PRODUCTS U	401 N. TUSTIN AVENUE	UST FINDER RELEASE	Higher	1518, 0.287, NE
L77	SHELL OIL PRODUCTS U	401 N. TUSTIN AVENUE	LUST, Cortese	Higher	1518, 0.287, NE
L78	POIRIER/OSMUNDSEN	401 N TUSTIN	LUST, CERS HAZ WASTE, CA FID UST, CERS TANKS,...	Higher	1518, 0.287, NE

MAPPED SITES SUMMARY

Target Property Address:
2020 E. 1ST STREET
SANTA ANA, CA 92705

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
L79	SHELL #401	401 N TUSTIN AVE	UST FINDER RELEASE	Higher	1518, 0.287, NE
N80	AMERICAN RED CROSS	601 N GOLDEN CIRCLE	UST FINDER RELEASE	Higher	1743, 0.330, North
N81	AMERICAN RED CROSS	601 GOLDEN CIRCLE DR	LUST, SWEEPS UST, CA FID UST	Higher	1743, 0.330, North
N82	AMERICAN RED CROSS	601 N GOLDEN CIRCLE	LUST, Cortese, CERS	Higher	1743, 0.330, North
O83	SANTA ANA FIRE STATI	1688 EAST 4TH STREET	UST FINDER RELEASE	Higher	2024, 0.383, WNW
O84	SANTA ANA FIRE STATI	1688 EAST 4TH STREET	LUST, Cortese, CERS	Higher	2024, 0.383, WNW
P85	MOBIL #18-LW8	17241 IRVINE	UST FINDER RELEASE	Higher	2155, 0.408, NE
P86	MOBIL #18-LW8	17241 IRVINE	LUST, Cortese, HIST CORTESE, CERS	Higher	2155, 0.408, NE
Q87	HONEYWELL	514 S LYON ST	UST FINDER RELEASE	Lower	2329, 0.441, WSW
Q88	HONEYWELL	514 S LYON ST	LUST, HIST UST, Cortese, CERS	Lower	2329, 0.441, WSW
Q89	HONEYWELL	514	LUST, HIST CORTESE	Lower	2334, 0.442, WSW
R90	EECO INC	1601 CHESTNUT	UST FINDER RELEASE	Lower	2489, 0.471, WSW
R91	EECO INC	1601 CHESTNUT	LUST, CPS-SLIC, Cortese, HIST CORTESE, CERS	Lower	2489, 0.471, WSW
R92	EECO	1441 EAST CHESTNUT A	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-SQG, LUST	Lower	2489, 0.471, WSW
S93	UNOCAL SS # 4991	1601 E 1ST ST	LUST, SWEEPS UST, HIST UST, Cortese, CERS	Lower	2544, 0.482, West
S94	UNOCAL #4991	1601 E 1ST ST	UST FINDER RELEASE	Lower	2544, 0.482, West
S95	UNOCAL #4991	1601	LUST, HIST CORTESE	Lower	2544, 0.482, West
96	717 LYON	717 SOUTH LYON STREE	CPS-SLIC, Orange Co. Industrial Site, HWTS, NPDES,...	Lower	2553, 0.484, SW
R97	EECO	1601 CHESTNUT AVENUE	CPS-SLIC, CERS	Lower	2607, 0.494, WSW
R98	ELEMENTARY SCHOOL NO	FIRST STREET/TOWNSEN	ENVIROSTOR, SCH	Lower	2608, 0.494, West
R99	E. CHESTNUT SA PROPE	1538 E. CHESTNUT AVE	ENVIROSTOR, CPS-SLIC, Orange Co. Industrial Site	Lower	2625, 0.497, WSW
100	RAYMOND VILLA SCHOOL	1441 EAST CHESTNUT A	ENVIROSTOR, SCH, CERS	Lower	3245, 0.615, WSW
101	WESTERN MEDICAL CTR	1001 N TUSTIN	ENVIROSTOR, CERS HAZ WASTE, SWEEPS UST, HIST UST,.	Higher	3329, 0.630, NNE
T102	7-ELEVEN STORE NO. 1	16791 MCFADDEN AVENU	ENVIROSTOR, VCP, HWTS, HAZNET, CERS	Lower	3407, 0.645, South
T103	QUICK QUALITY CLEANE	16795 MCFADDEN AVE	RCRA-SQG, ENVIROSTOR, CPS-SLIC, Orange Co....	Lower	3519, 0.666, South
104	REMINGTON ELEMENTARY	1325 EAST FOURTH STR	ENVIROSTOR, SCH, CERS	Higher	3885, 0.736, WNW
105	XEROX CORPORATION FA	2200 EAST MCFADDEN S	ENVIROSTOR, CPS-SLIC	Lower	4045, 0.766, South
106	BREAK-FREE, INC	1035 S LINWOOD AVE	ENVIROSTOR, CPS-SLIC, Orange Co. Industrial Site	Lower	4058, 0.769, SW
107	ORANGE COUNTY REGIST	625 N. GRAND AVENUE	ENVIROSTOR, LUST	Higher	4606, 0.872, WNW
108	FORMER DRY CLEANER,	NORTHEAST CORNER 17T	ENVIROSTOR, VCP	Higher	5244, 0.993, NNE
109	SO CAL GAS/SANTA ANA	NEC OF MINNIE AND E	EDR MGP	Lower	5248, 0.994, West

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
URS 2020 E 1ST ST SANTA ANA, CA 92705	AST Database: AST, Date of Government Version: 07/06/2016	N/A
KOLL MANAGEMENT SVCS 2020 E FIRST ST SANTA ANA, CA 92707	HWTS	N/A
URS 2020 E 1ST ST SANTA ANA, CA 92705	FINDS Registry ID:: 110065855195	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Lists of Federal RCRA generators

RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

EXECUTIVE SUMMARY

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE..... State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Solid Waste Information System

Lists of state and tribal leaking storage tanks

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing
INDIAN UST..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program Properties
INDIAN VCP..... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

EXECUTIVE SUMMARY

HIST Cal-Sites.....	Historical Calsites Database
SCH.....	School Property Evaluation Program
CDL.....	Clandestine Drug Labs
Toxic Pits.....	Toxic Pits Cleanup Act Sites
US CDL.....	National Clandestine Laboratory Register

Local Land Records

LIENS.....	Environmental Liens Listing
LIENS 2.....	CERCLA Lien Information
DEED.....	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS.....	Hazardous Materials Information Reporting System
CHMIRS.....	California Hazardous Material Incident Report System
LDS.....	Land Disposal Sites Listing
MCS.....	Military Cleanup Sites Listing
Orange Co. Industrial Site.....	List of Industrial Site Cleanups
SPILLS 90.....	SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
MINES MRDS.....	Mineral Resources Data System

EXECUTIVE SUMMARY

UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
PFAS NPL.....	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES.....	Federal Sites PFAS Information
PFAS TRIS.....	List of PFAS Added to the TRI
PFAS TSCA.....	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST.....	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR.....	PFAS Contamination Site Location Listing
PFAS WQP.....	Ambient Environmental Sampling for PFAS
PFAS NPDES.....	Clean Water Act Discharge Monitoring Information
PFAS ECHO FIRE TRAINING.....	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT.....	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC.....	Aqueous Foam Related Incidents Listing
BIOSOLIDS.....	ICIS-NPDES Biosolids Facility Data
AQUEOUS FOAM.....	Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
CHROME PLATING.....	Chrome Plating Facilities Listing
CUPA Listings.....	CUPA Resources List
EMI.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
ICE.....	Inspection, Compliance and Enforcement
HWT.....	Registered Hazardous Waste Transporter Database
HAZNET.....	Facility and Manifest Data
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
Notify 65.....	Proposition 65 Records
HAZMAT.....	Hazardous Material Facilities
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
CIWQS.....	California Integrated Water Quality System
CERS.....	CERS
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 09/19/2023 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>EECO</i> Site ID: 0900343 EPA Id: CAD008256349	<i>1441 EAST CHESTNUT A</i>	<i>WSW 1/4 - 1/2 (0.471 mi.)</i>	<i>R92</i>	<i>288</i>

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/04/2023 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>EECO</i> EPA ID:: CAD008256349	<i>1441 EAST CHESTNUT A</i>	<i>WSW 1/4 - 1/2 (0.471 mi.)</i>	<i>R92</i>	<i>288</i>

EXECUTIVE SUMMARY

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 12/04/2023 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EECO EPA ID:: CAD008256349	1441 EAST CHESTNUT A	WSW 1/4 - 1/2 (0.471 mi.)	R92	288

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/04/2023 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KAISER PERMANENTE SA EPA ID:: CAR000347963	1900 E 4TH STREET	NNW 1/8 - 1/4 (0.191 mi.)	I46	111

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/04/2023 has revealed that there are 4 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FREEWAY AUTO BODY EPA ID:: CAD981158967	2000 E FIRST ST	NW 0 - 1/8 (0.057 mi.)	D27	54
FREEWAY AUTO BODY EPA ID:: CAD981692155	2000 E FIRST ST	NW 0 - 1/8 (0.057 mi.)	D28	56
XEROX CENTRE PARTNER EPA ID:: CA0000381905	1851 E FIRST ST STE	WNW 1/8 - 1/4 (0.187 mi.)	H42	97
SHELL OIL PRODUCTS U	320 N TUSTIN	NE 1/8 - 1/4 (0.226 mi.)	K66	152

EXECUTIVE SUMMARY

EPA ID:: CAD983602574

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/23/2023 has revealed that there are 12 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTERN MEDICAL CTR Status: Inactive - Needs Evaluation Facility Id: 71002574	1001 N TUSTIN	NNE 1/2 - 1 (0.630 mi.)	101	365
REMINGTON ELEMENTARY Status: Inactive - Needs Evaluation Facility Id: 30820004	1325 EAST FOURTH STR	WNW 1/2 - 1 (0.736 mi.)	104	482
ORANGE COUNTY REGIST Status: Inactive - Needs Evaluation Facility Id: 71002942	625 N. GRAND AVENUE	WNW 1/2 - 1 (0.872 mi.)	107	490
FORMER DRY CLEANER, Status: Active Facility Id: 60001948	NORTHEAST CORNER 17T	NNE 1/2 - 1 (0.993 mi.)	108	497
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COMPAK FOODS Status: Inactive - Needs Evaluation Facility Id: 80000999		WNW 1/4 - 1/2 (0.281 mi.)	M74	216
ELEMENTARY SCHOOL NO Status: Inactive - Needs Evaluation Facility Id: 30590003	FIRST STREET/TOWNSEN	W 1/4 - 1/2 (0.494 mi.)	R98	352
E. CHESTNUT SA PROPE Status: Refer: 1248 Local Agency Facility Id: 60000732	1538 E. CHESTNUT AVE	WSW 1/4 - 1/2 (0.497 mi.)	R99	355
RAYMOND VILLA SCHOOL Status: Refer: RCRA Status: Inactive - Action Required Facility Id: 30360188 Facility Id: 80001539	1441 EAST CHESTNUT A	WSW 1/2 - 1 (0.615 mi.)	100	357
7-ELEVEN STORE NO. 1	16791 MCFADDEN AVENU	S 1/2 - 1 (0.645 mi.)	T102	465

EXECUTIVE SUMMARY

Status: Active
Facility Id: 60003062

QUICK QUALITY CLEAN	16795 MCFADDEN AVE	S 1/2 - 1 (0.666 mi.)	T103	475
Status: Refer: 1248 Local Agency Facility Id: 30720008				
XEROX CORPORATION FA	2200 EAST MCFADDEN S	S 1/2 - 1 (0.766 mi.)	105	486
Status: No Further Action Facility Id: 60001237				
BREAK-FREE, INC	1035 S LINWOOD AVE	SW 1/2 - 1 (0.769 mi.)	106	487
Status: Refer: 1248 Local Agency Facility Id: 30280535				

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 22 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SANTA ANA HONDA Database: LUST REG 8, Date of Government Version: 02/14/2005 Global ID: T0605901901 Facility Status: Preliminary site assessment underway	2114	NNE 0 - 1/8 (0.017 mi.)	B4	10
SANTA ANA HONDA Database: LUST, Date of Government Version: 09/05/2023 Status: Completed - Case Closed Global Id: T0605901901	2114 E 1ST ST	NE 0 - 1/8 (0.051 mi.)	B18	34
ANAHEIM STATIONS Database: LUST REG 8, Date of Government Version: 02/14/2005 Global ID: T0605900998 Facility Status: Case Closed	2002 01ST	NW 0 - 1/8 (0.056 mi.)	D26	52
THRIFTY OIL Database: LUST REG 8, Date of Government Version: 02/14/2005 Global ID: T0605900843 Global ID: T0605941193 Facility Status: Case Closed	101 TUSTIN	ENE 1/8 - 1/4 (0.189 mi.)	G44	103
THRIFTY OIL Database: LUST, Date of Government Version: 09/05/2023 Status: Completed - Case Closed Global Id: T0605941193 Global Id: T0605900843	101 TUSTIN AVE	ENE 1/8 - 1/4 (0.189 mi.)	G45	107
THRIFTY OIL Database: ORANGE CO. LUST, Date of Government Version: 10/10/2023 Facility Id: 88UT169	101 N TUSTIN AVE	ENE 1/8 - 1/4 (0.200 mi.)	G51	124
THRIFTY OIL Database: ORANGE CO. LUST, Date of Government Version: 10/10/2023	101 N TUSTIN AVE	ENE 1/8 - 1/4 (0.200 mi.)	G52	124

EXECUTIVE SUMMARY

Facility Id: 91UT029

SHELL OIL SERVICE ST **320 TUSTIN AVENUE, N** **NE 1/8 - 1/4 (0.226 mi.)** **K67** **155**

Database: LUST REG 8, Date of Government Version: 02/14/2005

Database: LUST, Date of Government Version: 09/05/2023

Status: Completed - Case Closed

Global Id: T0605953807

Global ID: T0605953807

Facility Status: Case Closed

CHEVRON SERVICE STAT **325 TUSTIN AVE. N** **NE 1/8 - 1/4 (0.234 mi.)** **K71** **209**

Database: LUST REG 8, Date of Government Version: 02/14/2005

Database: LUST, Date of Government Version: 09/05/2023

Status: Completed - Case Closed

Global Id: T0605990440

Global ID: T0605990440

Facility Status: Pollution Characterization

SHELL SERVICE STATIO **401 TUSTIN** **NE 1/4 - 1/2 (0.268 mi.)** **L73** **215**

Database: LUST REG 8, Date of Government Version: 02/14/2005

Global ID: T0605900685

Facility Status: Case Closed

SHELL OIL PRODUCTS U **401 N. TUSTIN AVENUE** **NE 1/4 - 1/2 (0.287 mi.)** **L77** **219**

Database: LUST REG 8, Date of Government Version: 02/14/2005

Global ID: T0605934780

Facility Status: Post remedial action monitoring

POIRIER/OSMUNDSEN **401 N TUSTIN** **NE 1/4 - 1/2 (0.287 mi.)** **L78** **221**

Database: LUST, Date of Government Version: 09/05/2023

Status: Completed - Case Closed

Global Id: T0605934780

Global ID: T0605900685

AMERICAN RED CROSS **601 GOLDEN CIRCLE DR** **N 1/4 - 1/2 (0.330 mi.)** **N81** **264**

Database: LUST REG 8, Date of Government Version: 02/14/2005

Global ID: T0605900666

Facility Status: Case Closed

AMERICAN RED CROSS **601 N GOLDEN CIRCLE** **N 1/4 - 1/2 (0.330 mi.)** **N82** **266**

Database: LUST, Date of Government Version: 09/05/2023

Status: Completed - Case Closed

Global ID: T0605900666

SANTA ANA FIRE STATI **1688 EAST 4TH STREET** **WNW 1/4 - 1/2 (0.383 mi.)** **O84** **270**

Database: LUST REG 8, Date of Government Version: 02/14/2005

Database: LUST, Date of Government Version: 09/05/2023

Status: Completed - Case Closed

Global Id: T0605981039

Global ID: T0605981039

Facility Status: Case Closed

MOBIL #18-LW8 **17241 IRVINE** **NE 1/4 - 1/2 (0.408 mi.)** **P86** **275**

Database: LUST REG 8, Date of Government Version: 02/14/2005

Database: LUST, Date of Government Version: 09/05/2023

Database: ORANGE CO. LUST, Date of Government Version: 10/10/2023

Status: Completed - Case Closed

Global Id: T0605901789

Global ID: T0605901789

Facility Id: 94UT042

Facility Status: Case Closed

Lower Elevation	Address	Direction / Distance	Map ID	Page

HONEYWELL	514 S LYON ST	WSW 1/4 - 1/2 (0.441 mi.)	Q88	279

Database: LUST, Date of Government Version: 09/05/2023

EXECUTIVE SUMMARY

Status: Completed - Case Closed
Global Id: T0605901444

HONEYWELL	514	WSW 1/4 - 1/2 (0.442 mi.)	Q89	282
Database: LUST REG 8, Date of Government Version: 02/14/2005				
Global ID: T0605901444				
Facility Status: Case Closed				
EECO INC	1601 CHESTNUT	WSW 1/4 - 1/2 (0.471 mi.)	R91	284
Database: LUST REG 8, Date of Government Version: 02/14/2005				
Database: LUST, Date of Government Version: 09/05/2023				
Status: Completed - Case Closed				
Global Id: T0605900403				
Global ID: T0605900403				
Facility Status: Case Closed				
EECO	1441 EAST CHESTNUT A	WSW 1/4 - 1/2 (0.471 mi.)	R92	288
Database: ORANGE CO. LUST, Date of Government Version: 10/10/2023				
Facility Id: 84UT031				
UNOCAL SS # 4991	1601 E 1ST ST	W 1/4 - 1/2 (0.482 mi.)	S93	329
Database: LUST, Date of Government Version: 09/05/2023				
Status: Completed - Case Closed				
Global Id: T0605902028				
UNOCAL #4991	1601	W 1/4 - 1/2 (0.482 mi.)	S95	347
Database: LUST REG 8, Date of Government Version: 02/14/2005				
Global ID: T0605902028				
Facility Status: Remedial action (cleanup) Underway				

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 5 CPS-SLIC sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SANTA ANA HONDA	2114 E 1ST ST	NE 0 - 1/8 (0.051 mi.)	B18	34
Database: CPS-SLIC, Date of Government Version: 09/05/2023				
Global Id: T10000018376				
Facility Status: Completed - Case Closed				
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EECO INC	1601 CHESTNUT	WSW 1/4 - 1/2 (0.471 mi.)	R91	284
Database: CPS-SLIC, Date of Government Version: 09/05/2023				
Global Id: SLT8R1304082				
Facility Status: Completed - Case Closed				
717 LYON	717 SOUTH LYON STREE	SW 1/4 - 1/2 (0.484 mi.)	96	348
Database: CPS-SLIC, Date of Government Version: 09/05/2023				
Global Id: T10000017589				
Facility Status: Open - Assessment & Interim Remedial Action				
EECO	1601 CHESTNUT AVENUE	WSW 1/4 - 1/2 (0.494 mi.)	R97	351
Database: SLIC REG 8, Date of Government Version: 04/03/2008				

EXECUTIVE SUMMARY

Facility Status: Additional Characterization Underway

E. CHESTNUT SA PROPE **1538 E. CHESTNUT AVE** **WSW 1/4 - 1/2 (0.497 mi.) R99** **355**

Database: CPS-SLIC, Date of Government Version: 09/05/2023

Global Id: T10000017759

Facility Status: Completed - Case Closed

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 5 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SANTA ANA PACIFIC AS Database: ORANGE CO. UST, Date of Government Version: 10/10/2023 Facility Id: NOT AVAILABLE	2114 E. 1ST	NE 0 - 1/8 (0.051 mi.)	B23	47
THRIFTY OIL Database: UST, Date of Government Version: 09/05/2023 Facility Id: 4940	101 TUSTIN AVE	ENE 1/8 - 1/4 (0.189 mi.)	G45	107
A & M BUSINESS ENTER Database: UST, Date of Government Version: 09/05/2023 Database: ORANGE CO. UST, Date of Government Version: 10/10/2023 Facility Id: FA0053827 Facility Id: FA0053827	320 N TUSTIN AVE	NE 1/8 - 1/4 (0.226 mi.)	K62	143
TEXACO Database: UST, Date of Government Version: 09/05/2023 Facility Id: 30-020-sa213	320 NORTH TUSTIN AVE	NE 1/8 - 1/4 (0.226 mi.)	K63	147
CHEVRON STATION 9760 Database: UST, Date of Government Version: 09/05/2023 Facility Id: 30-020-sa216	325 N. TUSTIN	NE 1/8 - 1/4 (0.234 mi.)	K70	208

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 10/16/2023 has revealed that there are 2 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
S&N LABS, INC.	2021 E 4TH ST STE 11	N 1/8 - 1/4 (0.200 mi.)	F54	125
GRENRD TEXACO	320 NO TUSTIN AVE	NE 1/8 - 1/4 (0.226 mi.)	K68	160

EXECUTIVE SUMMARY

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 4 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SANTA ANA HONDA Comp Number: 261	2114 E 1ST ST	NE 0 - 1/8 (0.051 mi.)	B18	34
FREEWAY AUTO BODY Status: A Tank Status: A Comp Number: 58914	2000 E FIRST ST	NW 0 - 1/8 (0.057 mi.)	D28	56
GRENRD TEXACO Status: A Tank Status: A Comp Number: 213	320 N TUSTIN AVE	NE 1/8 - 1/4 (0.226 mi.)	K60	139
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
92631 Comp Number: 62295	1814 E 1ST ST	W 1/8 - 1/4 (0.166 mi.)	E34	85

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 12 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SANTA ANA HONDA Facility Id: 00000020281	2114 E 1ST ST	NE 0 - 1/8 (0.051 mi.)	B18	34
HONDA SANTA ANA	2114 E FIRST STREET	NE 0 - 1/8 (0.051 mi.)	B25	50
FREEWAY AUTO BODY Facility Id: 00000058914	2000 E FIRST ST	NW 0 - 1/8 (0.057 mi.)	D28	56
TUSTIN HONDA	100 N TUSTIN AVENUE	ENE 1/8 - 1/4 (0.176 mi.)	G38	91
TUSTIN HONDA Facility Id: 00000066159	100 TUSTIN AVE	ENE 1/8 - 1/4 (0.181 mi.)	G40	94
THRIFTY OIL Facility Id: 00000004726	101 TUSTIN	ENE 1/8 - 1/4 (0.189 mi.)	G44	103
ARCO STN 378	101 N TUSTIN	ENE 1/8 - 1/4 (0.200 mi.)	G53	124
GRENRD TEXACO Facility Id: 00000060237	320 N TUSTIN AVE	NE 1/8 - 1/4 (0.226 mi.)	K60	139
GRENRD TEXACO	320 NO TUSTIN AVE	NE 1/8 - 1/4 (0.226 mi.)	K68	160
TEXACO	320 TUSTIN AND FOURT	NE 1/8 - 1/4 (0.226 mi.)	K69	207
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
92631	1814 E 1ST ST	W 1/8 - 1/4 (0.166 mi.)	E34	85

EXECUTIVE SUMMARY

Facility Id: 00000062295
 92631 1814 E FIRST ST W 1/8 - 1/4 (0.166 mi.) E35 88

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 5 CA FID UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHARGER #10 Facility Id: 30017870 Status: A	2002 W 001ST ST	NE 0 - 1/8 (0.031 mi.)	B5	12
HONDA SANTA ANA Facility Id: 30017841 Status: A	2114 E FIRST ST	NE 0 - 1/8 (0.051 mi.)	B19	39
FREEWAY AUTO BODY Facility Id: 30017883 Status: A	2000 E FIRST ST	NW 0 - 1/8 (0.057 mi.)	D28	56
TEXACO Facility Id: 30008184 Status: A	320 TUSTIN AND FOURT	NE 1/8 - 1/4 (0.226 mi.)	K69	207

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
92631 Facility Id: 30017887 Status: A	1814 E 001ST ST	WNW 1/8 - 1/4 (0.225 mi.)	H57	134

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 10/16/2023 has revealed that there is 1 CERS TANKS site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GRENROOD TEXACO	320 NO TUSTIN AVE	NE 1/8 - 1/4 (0.226 mi.)	K68	160

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/04/2023 has revealed that

EXECUTIVE SUMMARY

there are 25 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
XPRESS DRY CLEANER EPA ID:: CAL000481374	2031 E FIRST ST STE	N 0 - 1/8 (0.044 mi.)	B12	24
NEW CLEANERS EPA ID:: CAL000342036	2031 E 1ST ST STE A1	N 0 - 1/8 (0.044 mi.)	B17	31
HONDA SANTA ANA EPA ID:: CAD982434532	2114 E FIRST ST	NE 0 - 1/8 (0.051 mi.)	B19	39
FIRST POINT APARTMEN EPA ID:: CAC003068101	2114 E. FIRST ST.	NE 0 - 1/8 (0.051 mi.)	B20	42
FIRST POINT APARTMEN EPA ID:: CAC003022711	2114 E. 1ST STREET	NE 0 - 1/8 (0.051 mi.)	B22	45
ELAN APARTMENTS (SIT EPA ID:: CAC003083848	2114 E. FIRST STREET	NE 0 - 1/8 (0.051 mi.)	B24	48
A RISING BUILDERS EPA ID:: CAC003007418	2202 E 1ST STREET	NE 0 - 1/8 (0.085 mi.)	29	69
NEXUS GARDEN PLAZA EPA ID:: CAC003202168		NNE 1/8 - 1/4 (0.126 mi.)	32	79
S TEAM PAINTING EPA ID:: CAC003204864	2030 E. 4TH STREET S	N 1/8 - 1/4 (0.166 mi.)	F36	89
LABORATORY CORPORATI EPA ID:: CAL000408154	100 N TUSTIN AVE	ENE 1/8 - 1/4 (0.176 mi.)	G39	92
KAISER FOUNDATION HO EPA ID:: CAL000188633	1900 E 4TH ST	NNW 1/8 - 1/4 (0.191 mi.)	I47	114
THINK TOGETHER EPA ID:: CAL000476694	2101 E 4TH ST STE 20	N 1/8 - 1/4 (0.193 mi.)	F48	117
CALIFORNIA COMMERCIA EPA ID:: CAC003069289	2212 E 4TH ST	NNE 1/8 - 1/4 (0.199 mi.)	J49	119
ST. JOSEPH HERITAGE EPA ID:: CAC003064975	2212 E 4TH ST	NNE 1/8 - 1/4 (0.199 mi.)	J50	121
S&N LABS INC EPA ID:: CAL000432860	2021 E 4TH ST STE 11	N 1/8 - 1/4 (0.200 mi.)	F55	130
HY5 LLC EPA ID:: CAC003129996	2001 E. 4TH STREET	N 1/8 - 1/4 (0.202 mi.)	56	132
LEGION AUTO SERVICE EPA ID:: CAL000445221	320 N TUSTIN AVE	NE 1/8 - 1/4 (0.226 mi.)	K58	135
LEGION AUTO GROUP EPA ID:: CAL000424020	320 N TUSTIN AVE	NE 1/8 - 1/4 (0.226 mi.)	K59	137
A&M BUSINESS ENTERPR EPA ID:: CAL000441577	320 N TUSTIN AVE	NE 1/8 - 1/4 (0.226 mi.)	K64	148
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AECOM EPA ID:: CAC002995313	2110 EAST 1ST STREET	ESE 0 - 1/8 (0.039 mi.)	C6	12
AECOM EPA ID:: CAC002981201	2110 EAST FIRST STRE	ESE 0 - 1/8 (0.039 mi.)	C7	15
AHLC SANTA ANA FAMIL	2110 E 1ST ST	ESE 0 - 1/8 (0.039 mi.)	C8	18

EXECUTIVE SUMMARY

EPA ID:: CAC003012035				
AHLC SANTA ANA FAMIL	2110 E 1ST ST	ESE 0 - 1/8 (0.039 mi.)	C9	21
EPA ID:: CAC002995184				
NEWMARK MANAGEMENT	1820 E. 1ST STREET	W 1/8 - 1/4 (0.145 mi.)	E33	83
EPA ID:: CAC003190956				
ROGER HATLEN	16502 LORELEI LANE	SSW 1/8 - 1/4 (0.182 mi.)	41	95
EPA ID:: CAC003088531				

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 08/07/2023 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COMPAK FOODS		WNW 1/4 - 1/2 (0.284 mi.)	M75	218

PFAS ECHO: Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

A review of the PFAS ECHO list, as provided by EDR, and dated 09/23/2023 has revealed that there is 1 PFAS ECHO site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NEXUS GARDEN PLAZA		NNE 1/8 - 1/4 (0.126 mi.)	32	79

PFAS: A listing of PFAS contaminated sites included in the GeoTracker database.

A review of the PFAS list, as provided by EDR, and dated 09/05/2023 has revealed that there is 1 PFAS site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WELL 31 - STANDBY		SW 0 - 1/8 (0.101 mi.)	31	71

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 09/19/2023 has revealed that there are 12 Cortese sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SANTA ANA HONDA	2114 E 1ST ST	NE 0 - 1/8 (0.051 mi.)	B18	34
Cleanup Status: COMPLETED - CASE CLOSED				
THRIFTY OIL	101 TUSTIN	ENE 1/8 - 1/4 (0.189 mi.)	G44	103

EXECUTIVE SUMMARY

Cleanup Status: COMPLETED - CASE CLOSED

SHELL OIL SERVICE ST	320 TUSTIN AVENUE, N	NE 1/8 - 1/4 (0.226 mi.)	K67	155
Cleanup Status: COMPLETED - CASE CLOSED				
CHEVRON SERVICE STAT	325 TUSTIN AVE. N	NE 1/8 - 1/4 (0.234 mi.)	K71	209
Cleanup Status: COMPLETED - CASE CLOSED				
SHELL OIL PRODUCTS U	401 N. TUSTIN AVENUE	NE 1/4 - 1/2 (0.287 mi.)	L77	219
Cleanup Status: COMPLETED - CASE CLOSED				
POIRIER/OSMUNDSEN	401 N TUSTIN	NE 1/4 - 1/2 (0.287 mi.)	L78	221
Cleanup Status: COMPLETED - CASE CLOSED				
AMERICAN RED CROSS	601 N GOLDEN CIRCLE	N 1/4 - 1/2 (0.330 mi.)	N82	266
Cleanup Status: COMPLETED - CASE CLOSED				
SANTA ANA FIRE STATI	1688 EAST 4TH STREET	WNW 1/4 - 1/2 (0.383 mi.)	O84	270
Cleanup Status: COMPLETED - CASE CLOSED				
MOBIL #18-LW8	17241 IRVINE	NE 1/4 - 1/2 (0.408 mi.)	P86	275
Cleanup Status: COMPLETED - CASE CLOSED				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HONEYWELL	514 S LYON ST	WSW 1/4 - 1/2 (0.441 mi.)	Q88	279
Cleanup Status: COMPLETED - CASE CLOSED				
EEOC INC	1601 CHESTNUT	WSW 1/4 - 1/2 (0.471 mi.)	R91	284
Cleanup Status: COMPLETED - CASE CLOSED				
UNOCAL SS # 4991	1601 E 1ST ST	W 1/4 - 1/2 (0.482 mi.)	S93	329
Cleanup Status: COMPLETED - CASE CLOSED				

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there are 5 DRYCLEANERS sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
XPRESS DRY CLEANER	2031 E FIRST ST STE	N 0 - 1/8 (0.044 mi.)	B10	23
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 08/18/2023				
SNOWWHITE CLEANERS	2031 E 1ST ST #A1	N 0 - 1/8 (0.044 mi.)	B13	27
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 08/18/2023				
NEW CLEANERS	2031 E 1ST ST #A1	N 0 - 1/8 (0.044 mi.)	B14	28
Database: DRYCLEANERS, Date of Government Version: 08/31/2023				
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 08/18/2023				
EPA Id: CAL000310998				
NEW CLEANERS	2031 E 1ST ST STE A1	N 0 - 1/8 (0.044 mi.)	B15	29
Database: DRYCLEANERS, Date of Government Version: 08/31/2023				
EPA Id: CAL000342036				
SNOW WHITE DRY CLEAN	2031 E FIRST ST STE	N 0 - 1/8 (0.044 mi.)	B16	31
Database: DRYCLEANERS, Date of Government Version: 08/31/2023				
EPA Id: CAL000269149				

EXECUTIVE SUMMARY

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 7 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SANTA ANA HONDA Reg Id: 083002758T	2114	NNE 0 - 1/8 (0.017 mi.)	B4	10
ANAHEIM STATIONS Reg Id: 083001306T	2002 01ST	NW 0 - 1/8 (0.056 mi.)	D26	52
SHELL SERVICE STATIO Reg Id: 083000867T	401 TUSTIN	NE 1/4 - 1/2 (0.268 mi.)	L73	215
MOBIL #18-LW8 Reg Id: 083002544T	17241 IRVINE	NE 1/4 - 1/2 (0.408 mi.)	P86	275
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HONEYWELL Reg Id: 083001938T	514	WSW 1/4 - 1/2 (0.442 mi.)	Q89	282
EECO INC Reg Id: 083000505T	1601 CHESTNUT	WSW 1/4 - 1/2 (0.471 mi.)	R91	284
UNOCAL #4991 Reg Id: 083002964T	1601	W 1/4 - 1/2 (0.482 mi.)	S95	347

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 08/14/2023 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EECO EPA ID: CAD008256349 Cleanup Status: CLOSED	1441 EAST CHESTNUT A	WSW 1/4 - 1/2 (0.471 mi.)	R92	288

PROC: A listing of certified processors.

A review of the PROC list, as provided by EDR, and dated 09/05/2023 has revealed that there is 1 PROC site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DUBITEC AMERICA INC Cert Id: PR166940.001 Reg Id: 166940	2000 E 4TH ST	NNW 1/8 - 1/4 (0.168 mi.)	F37	91

EXECUTIVE SUMMARY

UST FINDER: EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories. UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

A review of the UST FINDER list, as provided by EDR, and dated 06/08/2023 has revealed that there is 1 UST FINDER site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
A & M BUSINESS ENTER	320 N TUSTIN AVE	NE 1/8 - 1/4 (0.226 mi.)	K65	150

UST FINDER RELEASE: US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

A review of the UST FINDER RELEASE list, as provided by EDR, and dated 06/08/2023 has revealed that there are 12 UST FINDER RELEASE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SANTA ANA HONDA	2114 E 1ST ST	NE 0 - 1/8 (0.051 mi.)	B21	44
THRIFTY OIL	101 TUSTIN	ENE 1/8 - 1/4 (0.189 mi.)	G43	101
SHELL OIL SERVICE ST	320 TUSTIN AVENUE, N	NE 1/8 - 1/4 (0.226 mi.)	K61	142
CHEVRON #9-7601	325 TUSTIN AVE. N	NE 1/8 - 1/4 (0.234 mi.)	K72	214
SHELL OIL PRODUCTS U	401 N. TUSTIN AVENUE	NE 1/4 - 1/2 (0.287 mi.)	L76	218
SHELL #401	401 N TUSTIN AVE	NE 1/4 - 1/2 (0.287 mi.)	L79	263
AMERICAN RED CROSS	601 N GOLDEN CIRCLE	N 1/4 - 1/2 (0.330 mi.)	N80	264
SANTA ANA FIRE STATI	1688 EAST 4TH STREET	WNW 1/4 - 1/2 (0.383 mi.)	O83	269
MOBIL #18-LW8	17241 IRVINE	NE 1/4 - 1/2 (0.408 mi.)	P85	274

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HONEYWELL	514 S LYON ST	WSW 1/4 - 1/2 (0.441 mi.)	Q87	278
EEOC INC	1601 CHESTNUT	WSW 1/4 - 1/2 (0.471 mi.)	R90	283
UNOCAL #4991	1601 E 1ST ST	W 1/4 - 1/2 (0.482 mi.)	S94	346

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within

EXECUTIVE SUMMARY

approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SO CAL GAS/SANTA ANA	NEC OF MINNIE AND E	W 1/2 - 1 (0.994 mi.)	109	507

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VISTA SANTA FE TRANS	250 N GOLDEN CIRCLE	NNW 0 - 1/8 (0.093 mi.)	30	71

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SNOWWHITE CLEANERS	2031 E 1ST ST	N 0 - 1/8 (0.044 mi.)	B11	24

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 8 records.

<u>Site Name</u>	<u>Database(s)</u>
FIX AUTO SANTA ANA	CERS HAZ WASTE
ARCO #0206	LUST, HIST CORTESE
LEWIS CLEANERS	DRYCLEANERS
DANNY'S CLEANERS	DRYCLEANERS
ORANGE CITY DUMP #2 SANTA ANA RIVE	SWF/LF
INTERSTATE ENVIRONMENTAL SERVICES	LUST
ARCO	LUST, HIST UST
IN-N-OUT BURGER	CPS-SLIC, Orange Co. Industrial Site